

# Converting Colors

XYZ(72.1968, 88.7539, 83.6507)

Have a look what the booklet for  
XYZ(72.1968, 88.7539, 83.6507)  
contains.

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# Color

**XYZ(72.2405, 88.7721,  
83.8483)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C5FFE0
RGB	197, 255, 224
RGB Percent	77%, 100%, 88%
CMY	0.2274, 0.0000, 0.1216
CMYK	0.23, 0.00, 0.12, 0.00
HSL	148°, 100%, 89%
HSV	148°, 23%, 100%
XYZ	72.2405, 88.7721, 83.8483
YIQ	234.1240, -24.6170, -21.9370

# Conversions

## Conversions Part 2

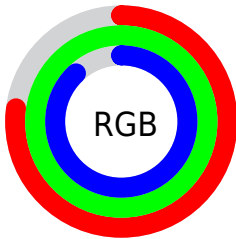
<b>Format</b>	<b>Color</b>
<b>RYB</b>	197, 237, 255
Decimal	12976096
CIELab	95.49, -24.24, 8.90
CIELCh	95, 25.820, 159.845
Yxy	88.7721, 0.2950, 0.3625
Android (android.graphics.Color)	4291166176 (0xFFC5FFE0)
YUV	234.1240, -4.9911, -32.5577
Hunter-Lab	94.2189, -28.0218, 13.1893

# Details

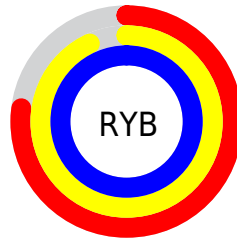
The XYZ color **72.2405, 88.7721, 83.8483** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **75.2103, 66.7949, 82.3275**, and the grayscale version is **78.3503, 82.4306, 89.7669**.

A 20% lighter version of the original color is **94.6831, 99.8108, 108.8828**, and **38.5108, 49.0035, 44.9650** is the 20% darker color. If you saturate the color by 10%, you get **64.3436, 84.9062, 74.2140**, and if you desaturate by 10%, it is **81.4166, 93.2804, 94.3187**.

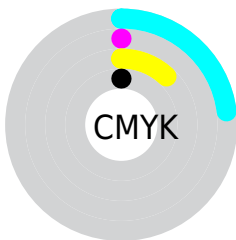
# Distribution



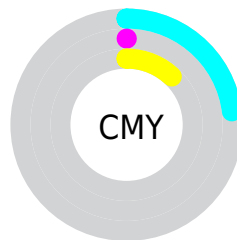
- Red (77%)
- Green (100%)
- Blue (88%)



- Red (77%)
- Yellow (93%)
- Blue (100%)



- Cyan (23%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)




- Cyan (23%)
- Magenta (0%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.2405, 88.7721, 83.8483 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 72.2405, 88.7721, 83.8483 by changing the saturation by 10% instead.



 72.2405, 88.7721,  
83.8483

 72.2405, 88.7721,  
83.8483


457.5229,  
524.0284, 527.8542

 53.6413, 66.9627,  
62.3455


121.4073,  
145.6316, 140.6228

 38.5445, 49.0543,  
44.8744


152.7057,  
181.4505, 176.7316

 26.5847, 34.6626,  
31.0163

188.9679,  
222.7080, 218.5461

 17.3965, 23.4031,  
20.3527

230.5592,  
269.7885, 266.4850

 10.6147, 14.8914,  
12.4650

277.8450,  
323.0764, 320.9667

 5.8737, 8.7432,  
6.9348

331.1907,

 2.8084, 4.5741,

382.9561, 382.4098

3.3436

390.9615,  
449.8119, 451.2328

■ 1.0533, 1.9996,  
1.2726

■ 0.0000, 0.6072,  
0.0392

■ 72.2405, 88.7721,  
83.8483

■ 72.2405, 88.7721,  
83.8483

■ 64.3436, 84.9062,  
74.2140

■ 81.4166, 93.2804,  
94.3187

■ 57.6632, 81.6507,  
65.3908

■ 91.9257, 98.4583,  
105.6410

■ 52.1348, 78.9728,  
57.3582

■ 95.0500, 100.0000,  
108.9000

■ 47.6867, 76.8359,  
50.0934

■ 44.2387, 75.1991,  
43.5725

■ 41.6985, 74.0154,  
37.7699

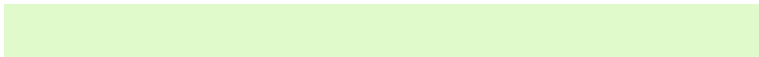
■ 39.9548, 73.2278,  
32.6582

■ 39.0724, 72.8450,  
29.3631

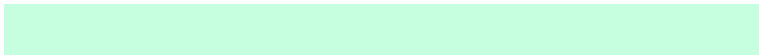
# Harmonies

## Analogous

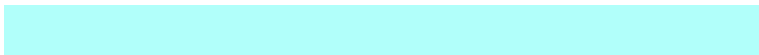
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.9576, 88.7721, 69.7299



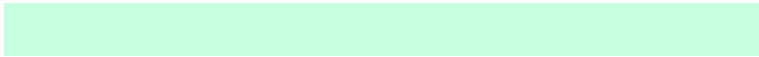
72.2405, 88.7721, 83.8483



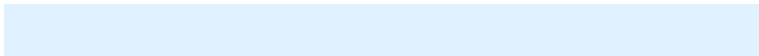
71.6717, 88.7721, 103.4721

# Triad

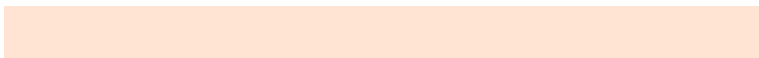
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.2405, 88.7721, 83.8483



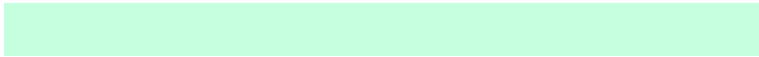
86.7222, 88.7721, 140.3390



95.2543, 88.7721, 73.7872

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



72.2405, 88.7721, 83.8483



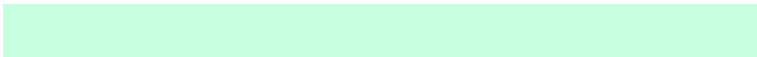
75.2103, 66.7949, 82.3275

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



98.4976, 88.7721, 90.1493



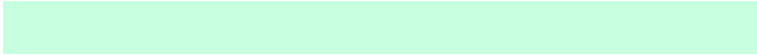
72.2405, 88.7721, 83.8483



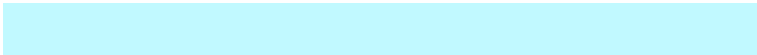
93.3929, 88.7721, 129.7542

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.2405, 88.7721, 83.8483



79.7752, 88.7721, 138.0290



97.7980, 88.7721, 110.7095

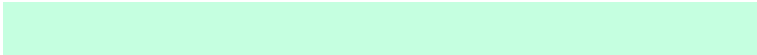


89.1487, 88.7721, 64.5087



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



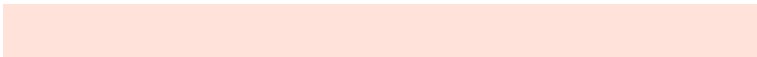
72.2405, 88.7721, 83.8483



73.1196, 88.7721, 117.3670



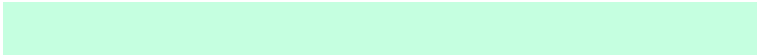
97.7980, 88.7721, 110.7095



96.7305, 88.7721, 78.5401

# Sweetspot

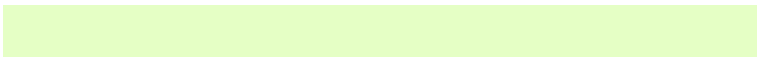
The Sweet Spot groups the original color and five complimentary colors.



72.2413, 88.7725, 83.8497



87.2869, 96.1710, 100.7170



78.1198, 92.1930, 66.5022



18.5465, 20.5173, 21.4108



0.0000, 0.0000, 0.0000

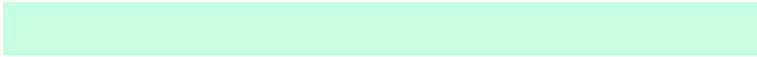


20.3446, 21.4041, 23.3091

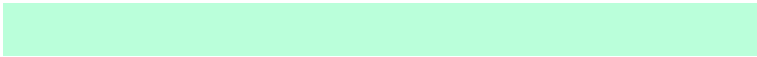


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.2413, 88.7725, 83.8497



68.7275, 87.0504, 79.6484



76.3730, 90.4252, 105.6072



18.1234, 20.3089, 20.9530



20.4899, 38.0926, 15.7312



2.0496, 3.7308, 1.8189



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



75.2103, 66.7949, 82.3275



72.1428, 61.7660, 77.8950



71.6206, 65.3590, 63.4242



18.4152, 18.1494, 20.8038



23.9578, 12.0724, 13.6943

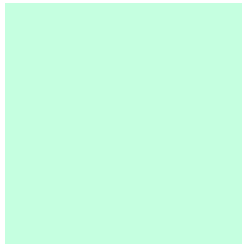


2.3879, 1.1975, 1.6241



# Previews

## White Background



This preview shows how the XYZ color 72.2405, 88.7721, 83.8483 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

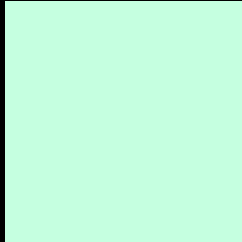
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.2405, 88.7721, 83.8483 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

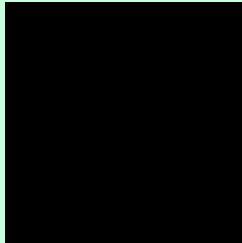
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

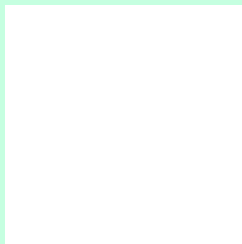
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 72.2405, 88.7721, 83.8483**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.2405, 88.7721, 83.8483.



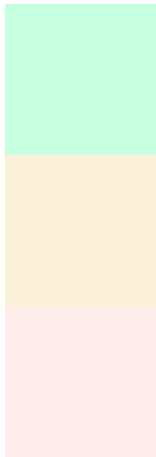
This preview shows how white text looks on a background with the XYZ color 72.2405, 88.7721,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

72.2405, 88.7721, 83.8483

### Protanopia

83.6336, 88.3777, 77.6164

### Deuteranopia

86.5196, 87.8265, 90.9894



## Tritanopia

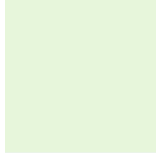
81.7537, 88.5324, 107.3873

# Trichromacy



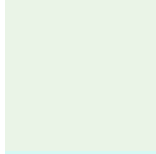
## Original Color

72.2405, 88.7721, 83.8483



## Protanomaly

78.6969, 88.0149, 79.8586



## Deuteranomaly

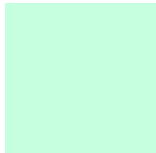
80.7062, 87.9633, 88.3263



## Tritanomaly

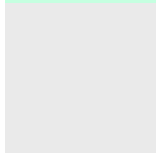
78.2291, 88.7301, 98.5915

# Monochromacy



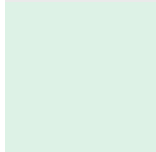
## Original Color

72.2405, 88.7721, 83.8483



## Achromatopsia

78.2058, 82.2786, 89.6014



## Achromatomaly

75.8539, 84.5896, 87.1924

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.2405, 88.7721, 83.8483 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(197, 255, 224)` looks like.

```
.text, #text, p{  
    color:rgb(197, 255, 224)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(197, 255, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 255, 224) }
```

## Border

The CSS property to change the border of an element to XYZ 72.2405, 88.7721, 83.8483 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

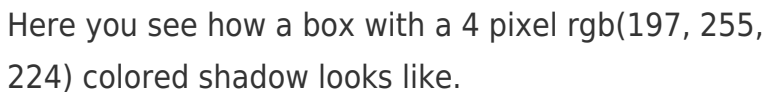
```
.border, #border, table{ border:4px solid rgb(197, 255, 224) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(197, 255, 224) }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel `rgb(197, 255, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 255, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 255, 224);  
box-shadow:4px 4px 4px 4px rgb(197, 255,  
224) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.2405, 88.7721, 83.8483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 255, 224) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(197,  
255, 224) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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