

# Converting Colors

XYZ(72.6302, 89.1447, 76.1100)

Have a look what the booklet for  
XYZ(72.6302, 89.1447, 76.1100)  
contains.

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# Color

**XYZ(72.6721, 89.1615,  
76.3304)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCFFD5
RGB	204, 255, 213
RGB Percent	80%, 100%, 84%
CMY	0.2000, 0.0000, 0.1647
CMYK	0.20, 0.00, 0.16, 0.00
HSL	131°, 100%, 90%
HSV	131°, 20%, 100%
XYZ	72.6721, 89.1615, 76.3304
YIQ	234.9630, -16.9140, -23.8740

# Conversions

## Conversions Part 2

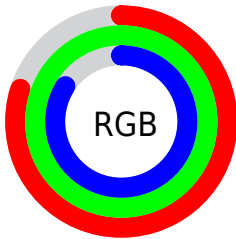
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 247, 255
Decimal	13434837
CIE <sub>Lab</sub>	95.65, -24.03, 14.83
CIE <sub>LCh</sub>	96, 28.240, 148.326
Yxy	89.1615, 0.3051, 0.3744
Android (android.graphics.Color)	4291624917 (0xFFCCFFD5)
YUV	234.9630, -10.8278, -27.1546
Hunter-Lab	94.4254, -27.8664, 18.1696

# Details

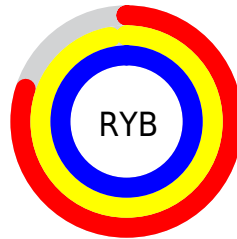
The XYZ color **72.6721, 89.1615, 76.3304** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **79.4677, 71.1003, 96.7238**, and the grayscale version is **79.0261, 83.1416, 90.5412**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.7601, 49.2464, 39.8104** is the 20% darker color. If you saturate the color by 10%, you get **63.7501, 84.8503, 62.8883**, and if you desaturate by 10%, it is **83.0849, 94.2013, 91.6468**.

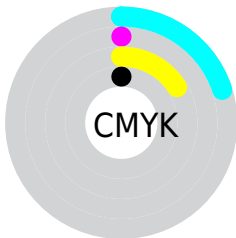
# Distribution



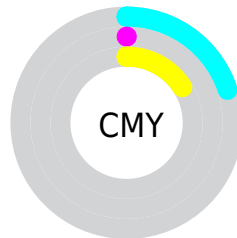
- Red (80%)
- Green (100%)
- Blue (84%)



- Red (80%)
- Yellow (97%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)




- Cyan (20%)
- Magenta (0%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.6721, 89.1615, 76.3304 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 72.6721, 89.1615, 76.3304 by changing the saturation by 10% instead.




 72.6721, 89.1615,  
76.3304

 72.6721, 89.1615,  
76.3304

458.9990,  
525.2995, 501.8549

 53.9953, 67.2854,  
56.1952


122.0172,  
146.1731, 129.9582

 38.8286, 49.3166,  
39.9544


153.4163,  
182.0775, 164.2879

 26.8065, 34.8707,  
27.1895


189.7868,  
223.4267, 204.1861

 17.5638, 23.5633,  
17.4819

231.4942,  
270.6051, 250.0715

 10.7351, 15.0100,  
10.4131

278.9037,  
323.9972, 302.3625

 5.9549, 8.8264,  
5.5645

332.3808,

 2.8581, 4.6281,

383.9874, 361.4777

2.5177

392.2908,  
450.9600, 427.8357

■ 1.0792, 2.0308,  
0.8495

■ 0.0076, 0.6253,  
0.0000

■ 72.6721, 89.1615,  
76.3304

■ 72.6721, 89.1615,  
76.3304

■ 63.7501, 84.8503,  
62.8883

■ 83.0849, 94.2013,  
91.6468

■ 56.2481, 81.2328,  
51.2443

95.0500, 100.0000,  
108.9000

■ 50.0926, 78.2727,  
41.3234

■ 45.2023, 75.9299,  
33.0436

■ 41.4875, 74.1599,  
26.3160

■ 38.8458, 72.9120,  
21.0437

■ 37.1569, 72.1265,  
17.1184

■ 36.2338, 71.7095,  
14.4147

■ 36.2337, 71.7095,  
14.4146

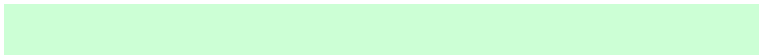
# Harmonies

## Analogous

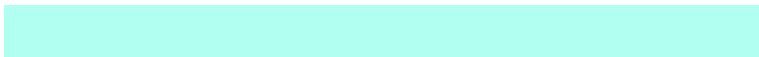
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.8617, 89.1615, 64.1189



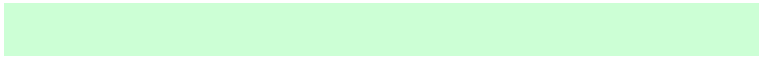
72.6721, 89.1615, 76.3304



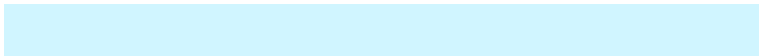
70.6904, 89.1615, 95.8389

# Triad

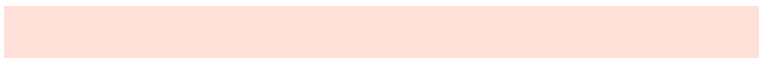
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.6721, 89.1615, 76.3304



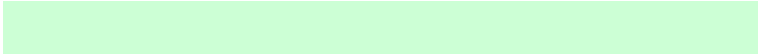
84.3103, 89.1615, 146.3592



98.5679, 89.1615, 78.1868

# Complementary

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



72.6721, 89.1615, 76.3304



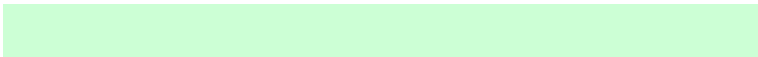
79.4677, 71.1003, 96.7238

# 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.



100.5497, 89.1615, 98.3352



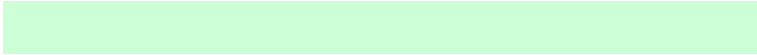
72.6721, 89.1615, 76.3304



92.0231, 89.1615, 139.7585

# Square

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



72.6721, 89.1615, 76.3304



77.1505, 89.1615, 138.1732



98.0867, 89.1615, 121.2895

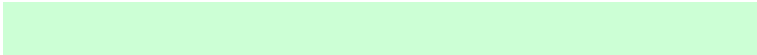


92.8229, 89.1615, 65.0701



# Rectangle

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



72.6721, 89.1615, 76.3304



71.3573, 89.1615, 111.1452



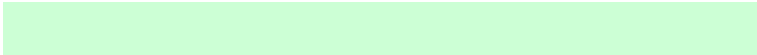
98.0867, 89.1615, 121.2895



99.7112, 89.1615, 84.2576

# Sweetspot

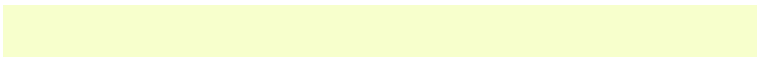
The Sweet Spot groups the original color and five complimentary colors.



72.6728, 89.1618, 76.3318



87.6806, 96.4277, 98.3110



84.8410, 95.5631, 71.1017



18.6029, 20.5599, 20.8051



0.0000, 0.0000, 0.0000

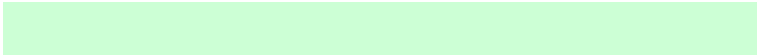


20.3446, 21.4041, 23.3091

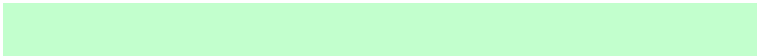


# Same Dimension

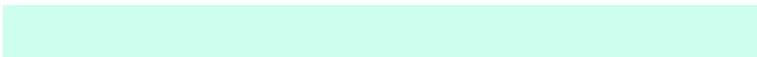
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.6728, 89.1618, 76.3318



68.9281, 87.3514, 70.7329



76.0950, 90.5307, 94.3529



17.9024, 20.2205, 19.7891



18.9705, 37.4848, 7.7302



1.8812, 3.6634, 0.9322



# Inverse Universe

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



79.4677, 71.1003, 96.7238



76.8467, 66.2984, 94.4932



75.8845, 69.6670, 77.8549



18.6470, 18.2421, 22.0241



27.6772, 13.5602, 33.2801

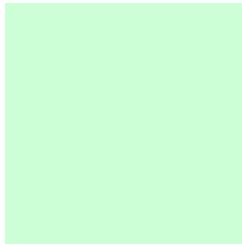


2.7293, 1.3341, 3.4217



# Previews

## White Background



This preview shows how the XYZ color 72.6721, 89.1615, 76.3304 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 72.6721, 89.1615, 76.3304 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

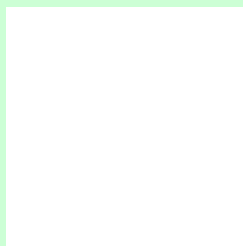
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 72.6721, 89.1615, 76.3304

## Background



This preview shows how black text looks on a background with the XYZ color 72.6721, 89.1615, 76.3304.



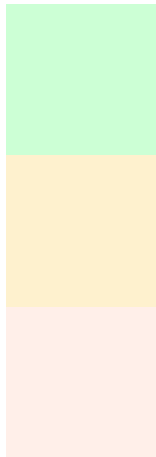
This preview shows how white text looks on a background with the XYZ color 72.6721, 89.1615,



# 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

72.6721, 89.1615, 76.3304

### Protanopia

83.4689, 88.4377, 71.0634

### Deuteranopia

86.8145, 88.8762, 89.6700



## **Tritanopia**

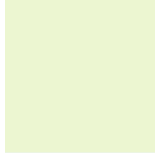
82.6973, 89.0188, 107.4315

# Trichromacy



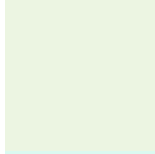
## Original Color

72.6721, 89.1615, 76.3304



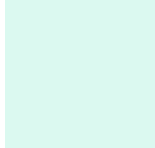
## Protanomaly

79.0565, 88.3479, 73.2077



## Deuteranomaly

80.9719, 88.6287, 84.7909



## Tritanomaly

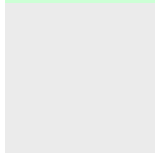
78.8173, 89.1027, 95.4825

# Monochromacy



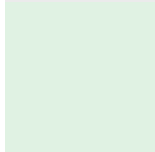
## Original Color

72.6721, 89.1615, 76.3304



## Achromatopsia

78.9647, 83.0770, 90.4708



## Achromatomaly

76.3577, 84.8976, 85.0354

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.6721, 89.1615, 76.3304 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(204, 255, 213)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 213)  
}
```

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(204, 255, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 213) }
```

## Border

The CSS property to change the border of an element to XYZ 72.6721, 89.1615, 76.3304 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(204, 255, 213) }
```



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

```
.border{ border-color:rgb(204, 255, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 255, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 213);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
213) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.6721, 89.1615, 76.3304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 255, 213) }
```

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

```
.background{ background-color: rgb(204,  
255, 213) }
```

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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