

# Converting Colors

XYZ(92.1962, 127.6301,  
110.6945)

Have a look what the booklet for  
XYZ(92.1962, 127.6301, 110.6945)  
contains.

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# **Color**

**XYZ(72.7010, 88.5523,  
104.5273)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7FFFB
RGB	183, 255, 251
RGB Percent	72%, 100%, 98%
CMY	0.2823, 0.0000, 0.0157
CMYK	0.28, 0.00, 0.02, 0.00
HSL	177°, 100%, 86%
HSV	177°, 28%, 100%
XYZ	72.7010, 88.5523, 104.5273
YIQ	233.0160, -41.6280, -16.5080

# Conversions

## Conversions Part 2

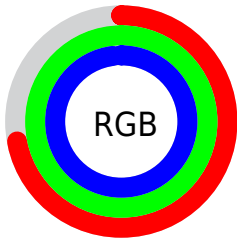
<b>Format</b>	<b>Color</b>
<b>RYB</b>	183, 220, 255
Decimal	12058619
CIELab	95.39, -22.87, -5.24
CIElCh	95, 23.467, 192.902
Yxy	88.5523, 0.2735, 0.3332
Android (android.graphics.Color)	4290248699 (0xFFB7FFFB)
YUV	233.0160, 8.8661, -43.8640
Hunter-Lab	94.1022, -26.7743, 0.0131

# Details

The XYZ color **72.7010, 88.5523, 104.5273** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.1439, 58.7162, 54.8090**, and the grayscale version is **77.4219, 81.4539, 88.7033**.

A 20% lighter version of the original color is **90.0856, 97.4408, 108.6677**, and **38.9465, 48.9175, 59.0191** is the 20% darker color. If you saturate the color by 10%, you get **66.9534, 85.6150, 103.0987**, and if you desaturate by 10%, it is **79.5511, 92.0577, 106.0191**.

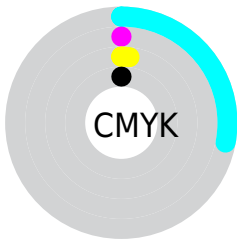
# Distribution



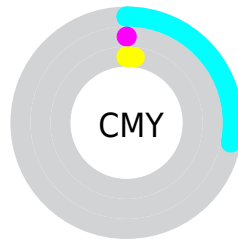
- Red (72%)
- Green (100%)
- Blue (98%)



- Red (72%)
- Yellow (86%)
- Blue (100%)



- Cyan (28%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)




- Cyan (28%)
- Magenta (0%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.7010, 88.5523, 104.5273 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 72.7010, 88.5523, 104.5273 by changing the saturation by 10% instead.





 72.7010, 88.5523,  
104.5273

 72.7010, 88.5523,  
104.5273


459.0977,  
523.3102, 595.9823

 54.0190, 66.7806,  
79.4490


 122.0581,  
145.3258, 169.4709

 38.8476, 48.9063,  
58.7415


153.4639,  
181.0964, 210.1732

 26.8214, 34.5452,  
41.9864


189.8416,  
222.3021, 256.9206

 17.5750, 23.3127,  
28.7652

231.5568,  
269.3272, 310.1315

 10.7431, 14.8246,  
18.6592

278.9746,  
322.5562, 370.2247

 5.9604, 8.6964,  
11.2500

332.4604,

 2.8614, 4.5437,

382.3734, 437.6185

6.1189

392.3797,  
449.1633, 512.7315

■ 1.0809, 1.9821,  
2.8476

■ 0.0091, 0.5970,  
1.0173

■ 72.7010, 88.5523,  
104.5273

■ 72.7010, 88.5523,  
104.5273

■ 66.9534, 85.6150,  
103.0987

■ 79.5511, 92.0577,  
106.0191

■ 62.2458, 83.2136,  
101.7260

■ 87.5555, 96.1581,  
107.5723

■ 58.5143, 81.3153,  
100.4077

95.0500, 100.0000,  
108.9000

■ 55.6866, 79.8827,  
99.1403

■ 53.6804, 78.8734,  
97.9200

■ 52.3985, 78.2373,  
96.7423

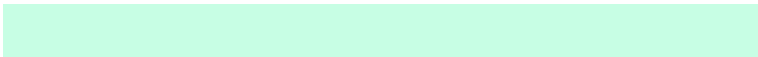
■ 51.7068, 77.9052,  
95.6007

■ 51.6131, 77.8612,  
95.4014

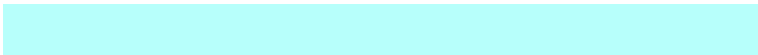
# Harmonies

## Analogous

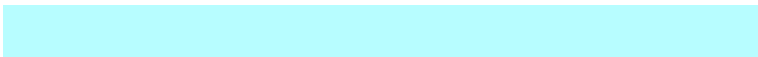
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.9133, 88.5523, 86.3961



72.7010, 88.5523, 104.5273



75.4462, 88.5523, 122.5350

# Triad

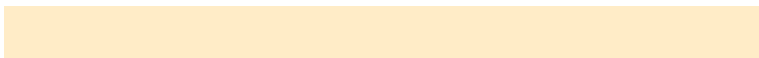
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.7010, 88.5523, 104.5273



92.8499, 88.5523, 124.6944



87.8470, 88.5523, 66.4288

# Complementary

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



72.7010, 88.5523, 104.5273



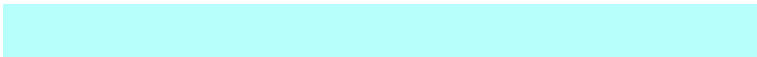
67.1439, 58.7162, 54.8090

# 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.



93.5337, 88.5523, 74.3043



72.7010, 88.5523, 104.5273



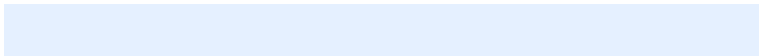
96.5213, 88.5523, 107.1873

# Square

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



72.7010, 88.5523, 104.5273



86.9520, 88.5523, 135.1355



96.7778, 88.5523, 88.7401



81.4407, 88.5523, 65.9077



# Rectangle

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



72.7010, 88.5523, 104.5273



78.6691, 88.5523, 131.4286



96.7778, 88.5523, 88.7401



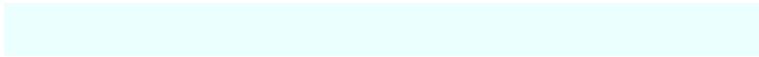
89.9138, 88.5523, 68.2531

# Sweetspot

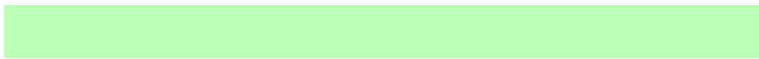
The Sweet Spot groups the original color and five complimentary colors.



72.7020, 88.5528, 104.5288



87.7571, 96.2614, 107.6094



64.9981, 85.6054, 57.8992



18.5087, 20.4630, 22.9819



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

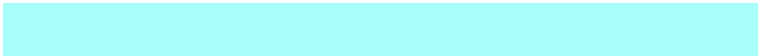


# Same Dimension

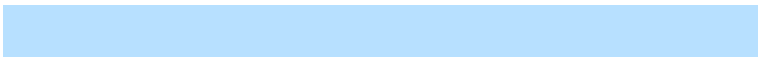
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.7020, 88.5528, 104.5288



69.2568, 86.7916, 103.6970



64.1815, 70.4923, 104.8314



18.5087, 20.4630, 22.9819



26.9878, 40.6917, 49.9487



2.6405, 3.9671, 4.9307



# Inverse Universe

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



67.1439, 58.7162, 54.8090



62.8520, 52.3977, 46.3945



73.8852, 72.8744, 54.9734



18.0503, 18.0034, 18.8819



21.6070, 11.1321, 1.3151

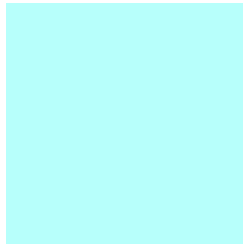


2.1175, 1.0894, 0.2003



# Previews

## White Background



This preview shows how the XYZ color 72.7010, 88.5523, 104.5273 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

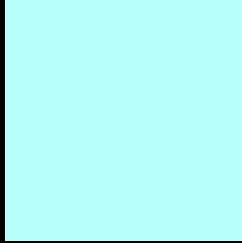
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.7010, 88.5523, 104.5273 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

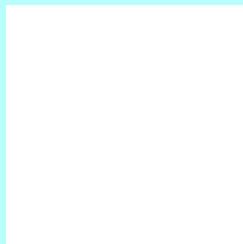
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 72.7010, 88.5523, 104.5273**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.7010, 88.5523, 104.5273.



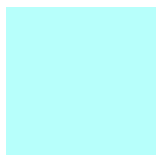
This preview shows how white text looks on a background with the XYZ color 72.7010, 88.5523,



# Color Blindness Simulation

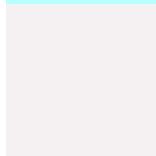
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

72.7010, 88.5523, 104.5273



### Protanopia

84.8433, 88.1435, 96.5461



### Deuteranopia

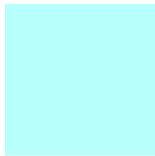
88.6780, 87.7685, 105.1957



## **Tritanopia**

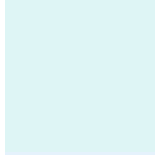
80.5210, 88.3472, 107.4165

# Trichromacy



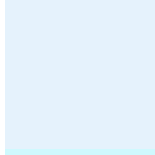
## Original Color

72.7010, 88.5523, 104.5273



## Protanomaly

79.2580, 87.4270, 99.0840



## Deuteranomaly

81.6359, 87.1905, 104.6222



## Tritanomaly

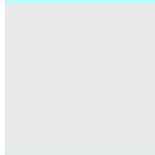
77.4972, 88.1725, 106.7004

# Monochromacy



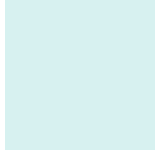
## Original Color

72.7010, 88.5523, 104.5273



## Achromatopsia

77.4512, 81.4847, 88.7368



## Achromatomaly

75.2078, 83.6489, 94.6201

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.7010, 88.5523, 104.5273 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(183, 255, 251)` looks like.

```
.text, #text, p{  
    color:rgb(183, 255, 251)  
}
```

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(183, 255, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 255, 251) }
```

## Border

The CSS property to change the border of an element to XYZ 72.7010, 88.5523, 104.5273 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(183, 255, 251) }
```



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

```
.border{ border-color:rgb(183, 255, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 255, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 255, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 255, 251);  
box-shadow:4px 4px 4px 4px rgb(183, 255,  
251) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.7010, 88.5523, 104.5273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 255, 251) }
```

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

```
.background{ background-color: rgb(183,  
255, 251) }
```

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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