

# Converting Colors

XYZ(72.8706, 86.6964,  
104.3185)

Have a look what the booklet for  
XYZ(72.8706, 86.6964, 104.3185)  
contains.

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# Color

**XYZ(72.8960, 86.7782,  
104.1746)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<b>BDFBFB</b>
RGB	<b>189, 251, 251</b>
RGB Percent	<b>74%, 98%, 98%</b>
CMY	<b>0.2588, 0.0157, 0.0157</b>
CMYK	<b>0.25, 0.00, 0.00, 0.02</b>
HSL	<b>180°, 89%, 86%</b>
HSV	<b>180°, 25%, 98%</b>
XYZ	<b>72.8960, 86.7782, 104.1746</b>
YIQ	<b>232.4620, -36.9520, -13.1440</b>

# Conversions

## Conversions Part 2

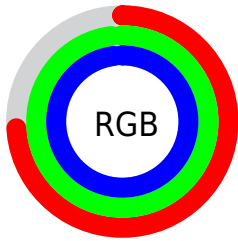
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	189, 220, 251
Decimal	12450811
CIE Lab	94.64, -19.24, -6.31
CIE LCh	95, 20.246, 198.157
Yxy	86.7782, 0.2763, 0.3289
Android (android.graphics.Color)	4290640891 (0xFFBDFBFB)
YUV	232.4620, 9.1392, -38.1162
Hunter-Lab	93.1548, -23.3402, -1.0954

# Details

The XYZ color **72.8960, 86.7782, 104.1746** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.1696, 60.5810, 56.3006**, and the grayscale version is **77.0034, 81.0135, 88.2238**.

A 20% lighter version of the original color is **91.8160, 98.3328, 108.7487**, and **38.9736, 47.5920, 58.7618** is the 20% darker color. If you saturate the color by 10%, you get **67.2011, 83.8446, 103.9089**, and if you desaturate by 10%, it is **79.6735, 90.2743, 104.4947**.

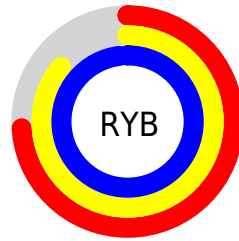
# Distribution



Red (74%)

Green (98%)

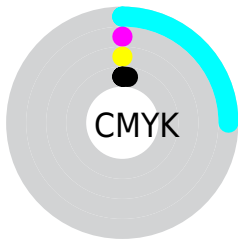
Blue (98%)



Red (74%)

Yellow (86%)

Blue (98%)

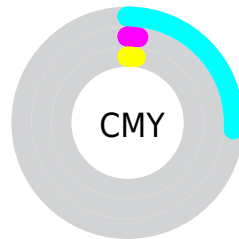


Cyan (25%)

Magenta (0%)

Yellow (0%)

Black (2%)



Cyan (26%)

Magenta (2%)

Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.8960, 86.7782, 104.1746 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 72.8960, 86.7782, 104.1746 by changing the saturation by 10% instead.



72.8960, 86.7782,  
104.1746

72.8960, 86.7782,  
104.1746

459.7637,  
517.4938, 594.8561

54.1790, 65.3117,  
79.1552

122.3335,  
142.8549, 168.9840

38.9760, 47.7138,  
58.5014

153.7847,  
178.2340, 209.6112

26.9217, 33.6003,  
41.7945

190.2113,  
219.0192, 256.2780

17.6507, 22.5867,  
28.6160

231.9788,  
265.5952, 309.4030

10.7977, 14.2887,  
18.5475

279.4524,  
318.3463, 369.4048

5.9972, 8.3217,  
11.1703

332.9975,

2.8840, 4.3015,

377.6568, 436.7019

6.0659

392.9795,  
443.9111, 511.7128

■ 1.0927, 1.8436,  
2.8157

■ 0.0190, 0.5141,  
1.0013

■ 72.8960, 86.7782,  
104.1746

■ 72.8960, 86.7782,  
104.1746

■ 67.2011, 83.8446,  
103.9089

■ 79.6735, 90.2743,  
104.4947

■ 62.5256, 81.4343,  
103.6890


■ 87.5774, 94.3489,  
104.8656


■ 58.8116, 79.5197,  
103.5142


■ 93.1522, 97.2228,  
105.1276


■ 55.9924, 78.0664,  
103.3812


■ 93.1524, 97.2229,  
105.1286


 53.9926, 77.0354,  
103.2865


 93.1526, 97.2229,  
105.1297


 52.7245, 76.3818,  
103.2261


 93.1528, 97.2230,  
105.1308

 52.0806, 76.0498,  
103.1950

 93.1530, 97.2231,  
105.1318

 51.9100, 75.9619,  
103.1864

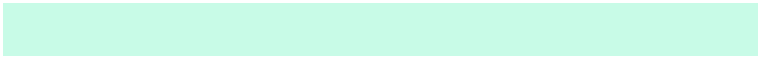
 93.1532, 97.2232,  
105.1329

 93.1534, 97.2233,  
105.1339

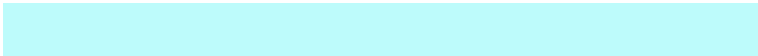
# Harmonies

## Analogous

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



72.6206, 86.7782, 88.4459



72.8960, 86.7782, 104.1746



75.6692, 86.7782, 118.7167

# Triad

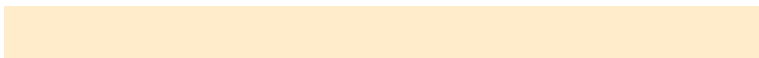
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.8960, 86.7782, 104.1746



90.5556, 86.7782, 116.0098



84.6548, 86.7782, 67.9960

# Complementary

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



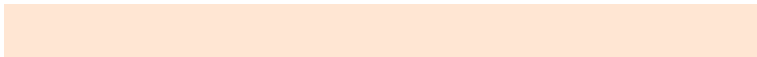
72.8960, 86.7782, 104.1746



67.1696, 60.5810, 56.3006

# 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.



89.6878, 86.7782, 73.8006



72.8960, 86.7782, 104.1746



93.1938, 86.7782, 100.7965

# Square

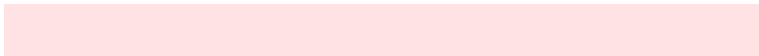
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.8960, 86.7782, 104.1746



85.7969, 86.7782, 126.0520



92.8694, 86.7782, 85.4189

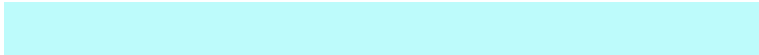


79.2499, 86.7782, 68.6869

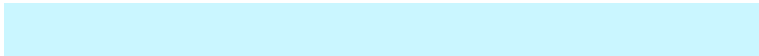


# Rectangle

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



72.8960, 86.7782, 104.1746



78.6331, 86.7782, 125.2515



92.8694, 86.7782, 85.4189



86.4505, 86.7782, 69.2235

# Sweetspot

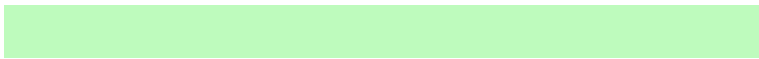
The Sweet Spot groups the original color and five complimentary colors.



72.8985, 86.7817, 104.1766



88.7850, 96.7703, 108.6060



64.9286, 83.6235, 60.8646



18.8940, 20.6563, 23.2410



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

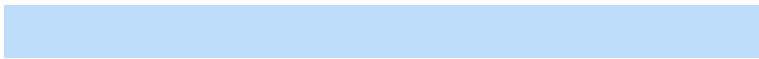
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.8985, 86.7817, 104.1766



72.2844, 88.2640, 107.8313



64.2666, 69.5171, 101.3017



17.7659, 19.6086, 22.2336



27.2849, 39.9269, 54.2367



2.5271, 3.6979, 5.0233



# Inverse Universe

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



67.1696, 60.5810, 56.3006



65.3466, 56.5348, 49.8534



74.2949, 74.8320, 58.6740



17.2447, 17.2252, 17.8785



20.9120, 10.7805, 0.9789

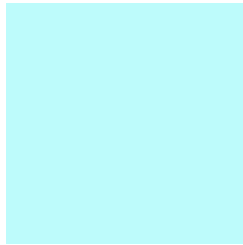


1.9368, 0.9985, 0.0907



# Previews

## White Background



This preview shows how the XYZ color 72.8960, 86.7782, 104.1746 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

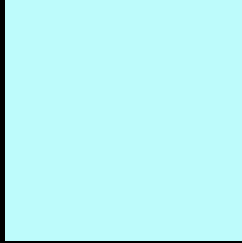
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.8960, 86.7782, 104.1746 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

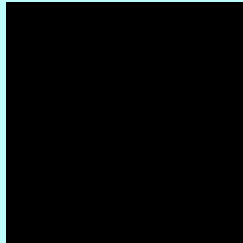
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 72.8960, 86.7782, 104.1746**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.8960, 86.7782, 104.1746.



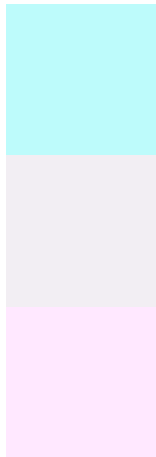
This preview shows how white text looks on a background with the XYZ color 72.8960, 86.7782,



# 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

72.8960, 86.7782, 104.1746

### Protanopia

83.3701, 86.4974, 97.0956

### Deuteranopia

88.1466, 86.1932, 106.5989



## Tritanopia

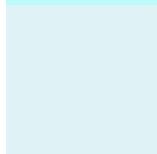
78.7196, 86.5203, 107.1589

# Trichromacy



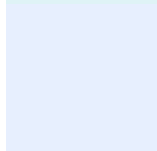
## Original Color

72.8960, 86.7782, 104.1746



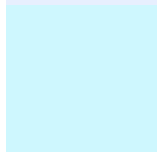
## Protanomaly

79.1166, 86.4430, 99.7041



## Deuteranomaly

81.7109, 85.8777, 106.0354



## Tritanomaly

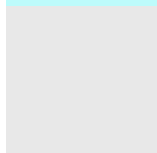
76.6038, 86.7991, 106.4824

# Monochromacy



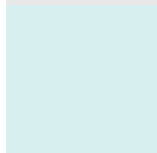
## Original Color

72.8960, 86.7782, 104.1746



## Achromatopsia

76.7008, 80.6952, 87.8771



## Achromatomaly

74.7654, 82.5639, 93.6572

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.8960, 86.7782, 104.1746 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(189, 251, 251)` looks like.

```
.text, #text, p{  
    color:rgb(189, 251, 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(189, 251, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 251, 251) }
```

## Border

The CSS property to change the border of an element to XYZ 72.8960, 86.7782, 104.1746 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(189, 251, 251) }
```



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

```
.border{ border-color:rgb(189, 251, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 251, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 251, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 251, 251);  
box-shadow:4px 4px 4px 4px rgb(189, 251,  
251) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.8960, 86.7782, 104.1746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 251, 251) }
```

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

```
.background{ background-color: rgb(189,  
251, 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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