

# Converting Colors

XYZ(72.1414, 87.6183,  
104.5976)

Have a look what the booklet for  
XYZ(72.1414, 87.6183, 104.5976)  
contains.

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# Color

**XYZ(72.1458, 87.7937,  
104.4102)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6FEFB
RGB	182, 254, 251
RGB Percent	71%, 100%, 98%
CMY	0.2863, 0.0039, 0.0157
CMYK	0.28, 0.00, 0.01, 0.00
HSL	177°, 97%, 85%
HSV	177°, 28%, 100%
XYZ	72.1458, 87.7937, 104.4102
YIQ	232.1300, -41.9490, -16.1970

# Conversions

## Conversions Part 2

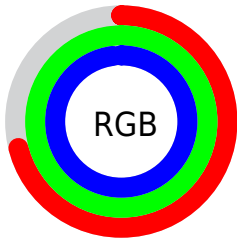
<b>Format</b>	<b>Color</b>
<b>RYB</b>	182, 219, 254
Decimal	11992827
CIELab	95.07, -22.67, -5.72
CIELCh	95, 23.376, 194.154
Yxy	87.7937, 0.2729, 0.3321
Android (android.graphics.Color)	4290182907 (0xFFB6FEFB)
YUV	232.1300, 9.3029, -43.9640
Hunter-Lab	93.6983, -26.5306, -0.4794

# Details

The XYZ color **72.1458, 87.7937, 104.4102** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.3610, 58.0320, 53.6061**, and the grayscale version is **76.7562, 80.7535, 87.9405**.

A 20% lighter version of the original color is **89.7452, 97.2653, 108.6517**, and **38.5690, 48.3847, 58.9361** is the 20% darker color. If you saturate the color by 10%, you get **66.5169, 84.9133, 103.2793**, and if you desaturate by 10%, it is **78.8688, 91.2424, 105.6010**.

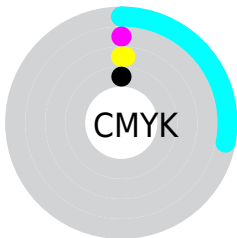
# Distribution



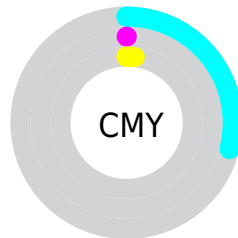
- Red (71%)
- Green (100%)
- Blue (98%)



- Red (71%)
- Yellow (86%)
- Blue (100%)



- Cyan (28%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)



- Cyan (29%)
- Magenta (0%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.1458, 87.7937, 104.4102 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 72.1458, 87.7937, 104.4102 by changing the saturation by 10% instead.





 72.1458, 87.7937,  
104.4102

 72.1458, 87.7937,  
104.4102


457.1987,  
520.8274, 595.6085

 53.5637, 66.1522,  
79.3514


 121.2735,  
144.2699, 169.3093

 38.4822, 48.3960,  
58.6618


152.5497,  
179.8734, 209.9866

 26.5361, 34.1406,  
41.9227


188.7881,  
220.8998, 256.7073

 17.3599, 23.0016,  
28.7156

230.3539,  
267.7333, 309.8897

 10.5883, 14.5947,  
18.6221

277.6125,  
320.7585, 369.9525

 5.8560, 8.5354,  
11.2235

330.9293,

 2.7975, 4.4394,

380.3596, 437.3143

6.1013

390.6695,  
446.9211, 512.3934

■ 1.0476, 1.9223,  
2.8370

■ 0.0000, 0.5617,  
1.0120

■ 72.1458, 87.7937,  
104.4102

■ 72.1458, 87.7937,  
104.4102

■ 66.5169, 84.9133,  
103.2793

■ 78.8688, 91.2424,  
105.6010

■ 61.9154, 82.5603,  
102.1994

■ 86.7325, 95.2768,  
106.8482

■ 58.2796, 80.7050,  
101.1696

■ 94.6015, 99.3139,  
108.1005

■ 55.5377, 79.3105,  
100.1865

■ 94.7333, 99.3666,  
108.7944

■ 53.6082, 78.3346,  
99.2462

■ 52.3945, 77.7276,  
98.3443

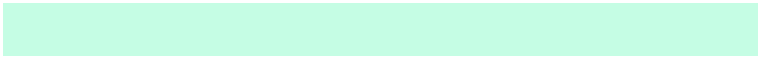
■ 51.7622, 77.4203,  
97.4744

■ 51.6831, 77.3825,  
97.3322

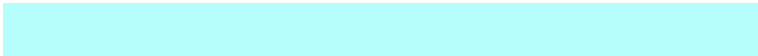
# Harmonies

## Analogous

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



72.2306, 87.7937, 86.3492



72.1458, 87.7937, 104.4102



74.9794, 87.7937, 122.1087

# Triad

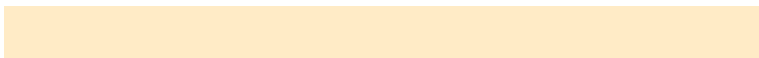
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.1458, 87.7937, 104.4102



92.2524, 87.7937, 122.9713



86.8274, 87.7937, 65.7170

# Complementary

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



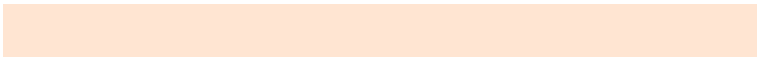
72.1458, 87.7937, 104.4102



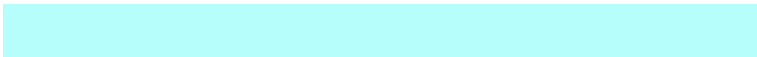
66.3610, 58.0320, 53.6061

# 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.



92.5256, 87.7937, 73.2228



72.1458, 87.7937, 104.4102



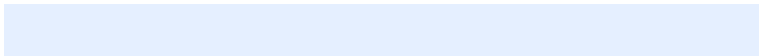
95.7645, 87.7937, 105.4728

# Square

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



72.1458, 87.7937, 104.4102



86.4699, 87.7937, 133.7107



95.8670, 87.7937, 87.2856

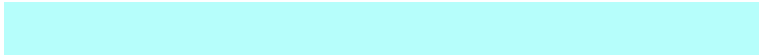


80.4920, 87.7937, 65.5088



# Rectangle

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



72.1458, 87.7937, 104.4102



78.2293, 87.7937, 130.6834



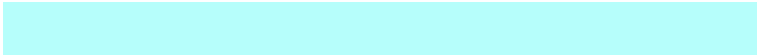
95.8670, 87.7937, 87.2856



88.8881, 87.7937, 67.4229

# Sweetspot

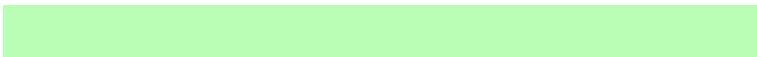
The Sweet Spot groups the original color and five complimentary colors.



72.1484, 87.7972, 104.4122



86.9512, 95.8427, 107.7186



64.0406, 84.6536, 57.2223



18.3507, 20.3806, 23.0163



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

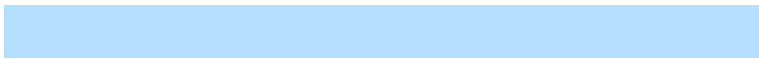
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.1484, 87.7972, 104.4122



69.4456, 86.8671, 104.6914



63.1986, 69.1340, 103.7832



18.5202, 20.4676, 23.0423



27.2611, 40.8010, 51.3878



2.6641, 3.9766, 5.0549



# Inverse Universe

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



66.3610, 58.0320, 53.6061



62.7364, 52.3515, 45.7857



73.4675, 72.7471, 54.4272



18.0401, 17.9993, 18.8282



21.5925, 11.1263, 1.2386

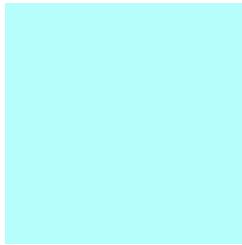


2.1127, 1.0875, 0.1749



# Previews

## White Background



This preview shows how the XYZ color 72.1458, 87.7937, 104.4102 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

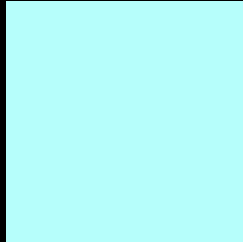
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.1458, 87.7937, 104.4102 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 72.1458, 87.7937, 104.4102

## Background



This preview shows how black text looks on a background with the XYZ color 72.1458, 87.7937, 104.4102.



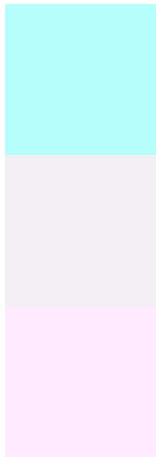
This preview shows how white text looks on a background with the XYZ color 72.1458, 87.7937,



# 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

72.1458, 87.7937, 104.4102

### Protanopia

83.8557, 87.1985, 96.4157

### Deuteranopia

88.5522, 87.2614, 105.9419



## Tritanopia

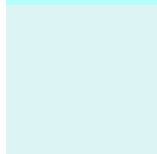
79.3177, 87.2765, 107.2733

# Trichromacy



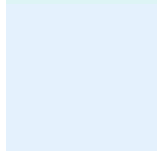
## Original Color

72.1458, 87.7937, 104.4102



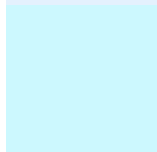
## Protanomaly

78.6509, 86.6661, 98.9691



## Deuteranomaly

81.1798, 86.4964, 105.3454



## Tritanomaly

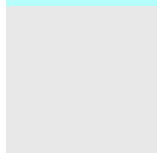
76.3586, 87.1279, 106.5588

# Monochromacy



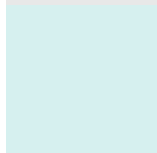
## Original Color

72.1458, 87.7937, 104.4102



## Achromatopsia

76.7008, 80.6952, 87.8771



## Achromatomaly

74.4716, 82.8483, 93.7276

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.1458, 87.7937, 104.4102 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(182, 254, 251)` looks like.

```
.text, #text, p{  
    color:rgb(182, 254, 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(182, 254, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 254, 251) }
```

## Border

The CSS property to change the border of an element to XYZ 72.1458, 87.7937, 104.4102 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(182, 254, 251) }
```



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

```
.border{ border-color:rgb(182, 254, 251) }
```

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

Here you see how a box with a 4 pixel rgb(182, 254, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 254, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 254, 251);  
box-shadow:4px 4px 4px 4px rgb(182, 254,  
251) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.1458, 87.7937, 104.4102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 254, 251) }
```

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

```
.background{ background-color: rgb(182,  
254, 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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