

# Converting Colors

XYZ(72.3053, 88.4040,  
101.9289)

Have a look what the booklet for  
XYZ(72.3053, 88.4040, 101.9289)  
contains.

<b>XYZ(72.2317, 88.3646, 102.0560)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(72.2317, 88.3646,  
102.0560)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7FFF8
RGB	183, 255, 248
RGB Percent	72%, 100%, 97%
CMY	0.2823, 0.0000, 0.0274
CMYK	0.28, 0.00, 0.03, 0.00
HSL	174°, 100%, 86%
HSV	174°, 28%, 100%
XYZ	72.2317, 88.3646, 102.0560
YIQ	232.6740, -40.6650, -17.4410

# Conversions

## Conversions Part 2

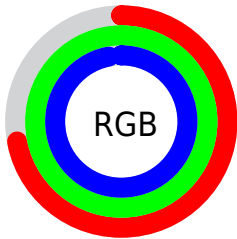
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	183, 221, 255
Decimal	12058616
CIE <sub>Lab</sub>	95.31, -23.52, -3.81
CIE <sub>LCh</sub>	95, 23.827, 189.197
Yxy	88.3646, 0.2750, 0.3364
Android (android.graphics.Color)	4290248696 (0xFFB7FFF8)
YUV	232.6740, 7.5557, -43.5641
Hunter-Lab	94.0024, -27.3445, 1.4321

# Details

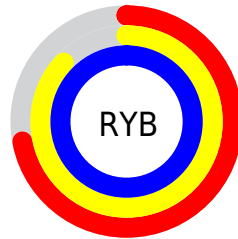
The XYZ color **72.2317, 88.3646, 102.0560** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.4685, 58.8460, 56.5183**, and the grayscale version is **77.1739, 81.1929, 88.4191**.

A 20% lighter version of the original color is **90.0856, 97.4408, 108.6677**, and **38.6106, 48.7831, 57.2503** is the 20% darker color. If you saturate the color by 10%, you get **66.3244, 85.3634, 99.7867**, and if you desaturate by 10%, it is **79.2448, 91.9352, 104.4066**.

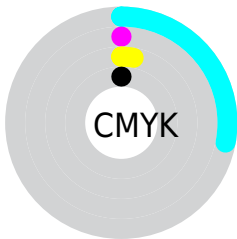
# Distribution



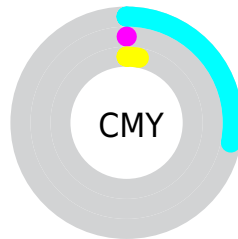
- Red (72%)
- Green (100%)
- Blue (97%)



- Red (72%)
- Yellow (87%)
- Blue (100%)



- Cyan (28%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)



- Cyan (28%)
- Magenta (0%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.2317, 88.3646, 102.0560 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 72.2317, 88.3646, 102.0560 by changing the saturation by 10% instead.





 72.2317, 88.3646,  
102.0560

 72.2317, 88.3646,  
102.0560


457.4928,  
522.6965, 588.0674

 53.6341, 66.6251,  
77.3923


 121.3949,  
145.0647, 166.0562

 38.5387, 48.7800,  
57.0614


152.6912,  
180.7940, 206.2297

 26.5802, 34.4450,  
40.6449


188.9512,  
221.9553, 252.4103

 17.3931, 23.2357,  
27.7241

230.5401,  
268.9331, 305.0164

 10.6122, 14.7676,  
17.8805

277.8234,  
322.1117, 364.4667

 5.8721, 8.6565,  
10.6957

331.1664,

 2.8074, 4.5178,

381.8755, 431.1795

5.7510

390.9344,  
448.6090, 505.5736

■ 1.0527, 1.9672,  
2.6280

■ 0.0000, 0.5883,  
0.9068

■ 72.2317, 88.3646,  
102.0560

■ 72.2317, 88.3646,  
102.0560

■ 66.3244, 85.3634,  
99.7867

■ 79.2448, 91.9352,  
104.4066

■ 61.4606, 82.8995,  
97.5912

■ 87.4158, 96.1022,  
106.8366

■ 57.5762, 80.9400,  
95.4679

95.0500, 100.0000,  
108.9000

■ 54.5990, 79.4476,  
93.4134

■ 52.4467, 78.3799,  
91.4237

■ 51.0221, 77.6867,  
89.4941

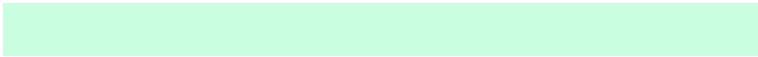
■ 50.1910, 77.2989,  
87.6182

■ 50.0730, 77.2452,  
87.2910

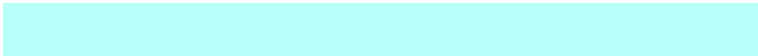
# Harmonies

## Analogous

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



72.8256, 88.3646, 84.0398



72.2317, 88.3646, 102.0560



74.6593, 88.3646, 120.6851

# Triad

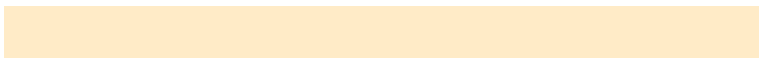
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.2317, 88.3646, 102.0560



92.1466, 88.3646, 126.7434



88.5107, 88.3646, 66.4523

# Complementary

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



72.2317, 88.3646, 102.0560



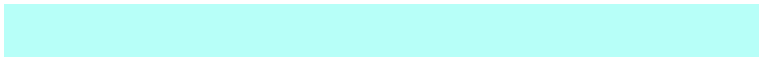
67.4685, 58.8460, 56.5183

# 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.



94.0629, 88.3646, 75.2970



72.2317, 88.3646, 102.0560



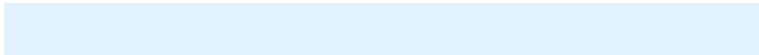
96.2363, 88.3646, 109.5106

# Square

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



72.2317, 88.3646, 102.0560



86.0037, 88.3646, 136.1012



96.9551, 88.3646, 90.5994

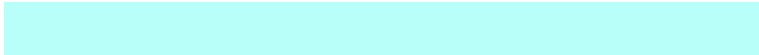


82.0038, 88.3646, 64.9976



# Rectangle

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



72.2317, 88.3646, 102.0560



77.7419, 88.3646, 130.3932



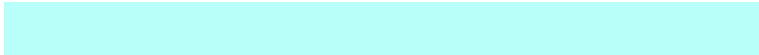
96.9551, 88.3646, 90.5994



90.5598, 88.3646, 68.5995

# Sweetspot

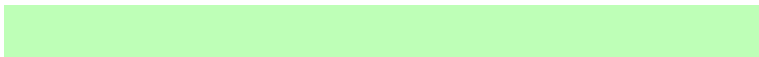
The Sweet Spot groups the original color and five complimentary colors.



72.2327, 88.3651, 102.0575



87.6214, 96.2071, 106.8945



65.5934, 85.9123, 57.9270



18.4743, 20.4492, 22.8004



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

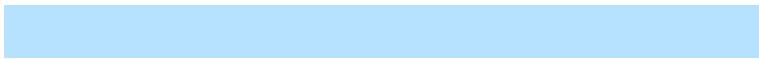
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.2327, 88.3651, 102.0575



68.6950, 86.5668, 100.7388



64.8302, 71.7898, 105.0476



18.4743, 20.4492, 22.8004



26.1954, 40.3747, 45.7755



2.5717, 3.9396, 4.5686



# Inverse Universe

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



67.4685, 58.8460, 56.5183



63.2067, 52.5396, 48.2624



73.2815, 71.6669, 54.7721



18.0811, 18.0157, 19.0441



21.6629, 11.1544, 1.6091

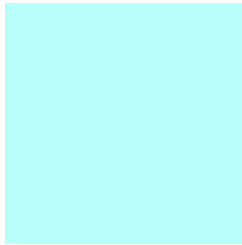


2.1321, 1.0952, 0.2770



# Previews

## White Background



This preview shows how the XYZ color 72.2317, 88.3646, 102.0560 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

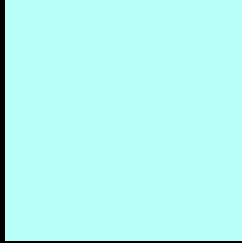
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.2317, 88.3646, 102.0560 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

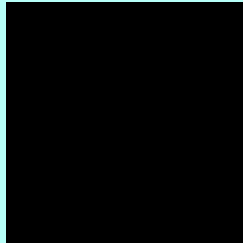
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 72.2317, 88.3646, 102.0560

## Background



This preview shows how black text looks on a background with the XYZ color 72.2317, 88.3646, 102.0560.



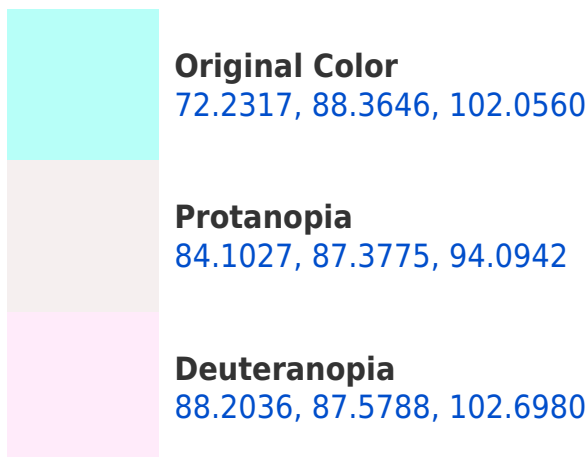
This preview shows how white text looks on a background with the XYZ color 72.2317, 88.3646,



# 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





## Tritanopia

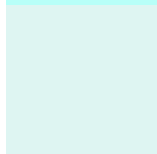
80.2192, 88.1916, 107.4024

# Trichromacy



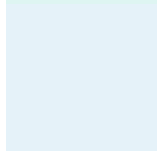
## Original Color

72.2317, 88.3646, 102.0560



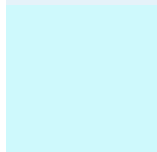
## Protanomaly

78.8036, 87.2452, 96.6910



## Deuteranomaly

81.1641, 87.0018, 102.1378



## Tritanomaly

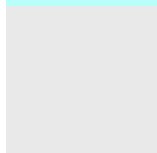
76.9000, 87.9015, 105.0091

# Monochromacy



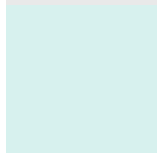
## Original Color

72.2317, 88.3646, 102.0560



## Achromatopsia

77.4512, 81.4847, 88.7368



## Achromatomaly

74.9122, 83.5307, 93.0637

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.2317, 88.3646, 102.0560 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, 248)` looks like.

```
.text, #text, p{  
    color:rgb(183, 255, 248)  
}
```

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, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 255, 248) }
```

## Border

The CSS property to change the border of an element to XYZ 72.2317, 88.3646, 102.0560 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".

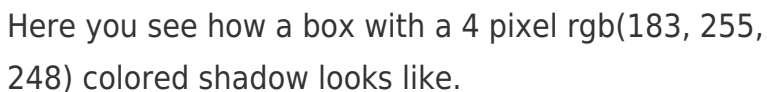
```
.border, #border, table{ border:4px solid rgb(183, 255, 248) }
```



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

```
.border{ border-color:rgb(183, 255, 248) }
```

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, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 255, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 255, 248); box-shadow:4px 4px 4px 4px rgb(183, 255, 248) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.2317, 88.3646, 102.0560 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, 248) }
```

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

```
.background{ background-color: rgb(183,  
255, 248) }
```

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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