

Converting Colors

XYZ(51.9171, 68.9734, 88.8565)

Have a look what the booklet for
XYZ(51.9171, 68.9734, 88.8565)
contains.

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Color

**XYZ(52.0398, 69.1967,
89.2108)**

Conversions

Conversions Part 1

Format	Color
Hex	75EBEB
RGB	117, 235, 235
RGB Percent	46%, 92%, 92%
CMY	0.5412, 0.0784, 0.0784
CMYK	0.50, 0.00, 0.00, 0.08
HSL	180°, 75%, 69%
HSV	180°, 50%, 92%
XYZ	52.0398, 69.1967, 89.2108
YIQ	199.7180, -70.3280, -25.0160

Conversions

Conversions Part 2

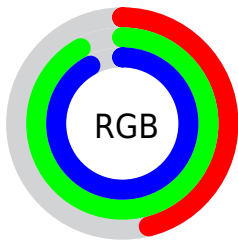
Format	Color
RYB	117, 176, 235
Decimal	7728107
CIELab	86.60, -33.20, -10.25
CIELCh	87, 34.750, 197.152
Yxy	69.1967, 0.2473, 0.3288
Android (android.graphics.Color)	4285918187 (0xFF75EBEB)
YUV	199.7180, 17.3940, -72.5437
Hunter-Lab	83.1846, -33.9043, -5.3560

Details

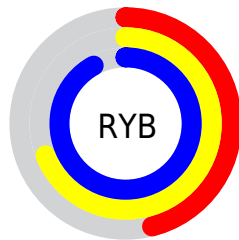
The XYZ color **52.0398, 69.1967, 89.2108** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **43.8354, 31.6711, 20.6346**, and the grayscale version is **54.6555, 57.5019, 62.6195**.

A 20% lighter version of the original color is **71.9415, 88.0871, 107.8185**, and **25.6220, 36.1987, 48.2844** is the 20% darker color. If you saturate the color by 10%, you get **49.2705, 67.7707, 89.0824**, and if you desaturate by 10%, it is **55.6057, 71.0366, 89.3795**.

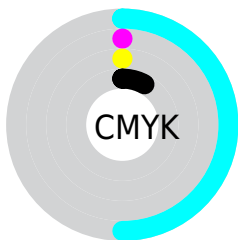
Distribution



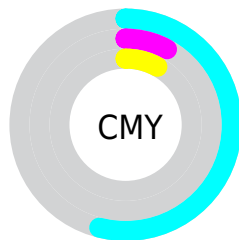
- Red (46%)
- Green (92%)
- Blue (92%)



- Red (46%)
- Yellow (69%)
- Blue (92%)



- Cyan (50%)
- Magenta (0%)
- Yellow (0%)
- Black (8%)





- Cyan (54%)
- Magenta (8%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.0398, 69.1967, 89.2108 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 52.0398, 69.1967, 89.2108 by changing the saturation by 10% instead.


 52.0398, 69.1967,
89.2108


 52.0398, 69.1967,
89.2108


384.9117,
457.7244, 545.9640

 37.2612, 50.8719,
66.7563


 92.3638, 118.0625,
148.1676

 25.5844, 36.1067,
48.4262


 118.6399,
149.3723, 185.5069

 16.6440, 24.5166,
33.8021


 149.4793,
185.7792, 228.6449

 10.0747, 15.7173,
22.4655

185.2472,
227.6676, 278.0002

 5.5112, 9.3243,
13.9978

226.3090,
275.4220, 333.9911

 2.5880, 4.9533,
7.9804

273.0301,

 0.9398, 2.2199,

329.4266, 397.0364

3.9948

325.7759,
390.0660, 467.5545

■ 0.0000, 0.7308,
1.6225

■ 0.0000, 0.0000,
0.3068

■ 52.0398, 69.1967,
89.2108

■ 52.0398, 69.1967,
89.2108

■ 49.2705, 67.7707,
89.0824

■ 55.6057, 71.0366,
89.3795

■ 47.2310, 66.7193,
88.9866


■ 60.0162, 73.3103,
89.5863


■ 45.8544, 66.0096,
88.9219


■ 65.3228, 76.0459,
89.8350


■ 45.0582, 65.5992,
88.8843


■ 71.5712, 79.2671,
90.1277


 44.7047, 65.4170,
88.8674

 78.8038, 82.9956,
90.4665

 85.9454, 86.6773,
90.8011

 85.9455, 86.6773,
90.8014

 85.9456, 86.6773,
90.8017

 85.9456, 86.6773,
90.8021

Harmonies

Analogous

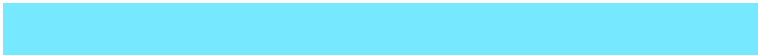
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.7824, 69.1967, 65.8952



52.0398, 69.1967, 89.2108



55.7795, 69.1967, 112.8098

Triad

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



52.0398, 69.1967, 89.2108



77.8033, 69.1967, 109.7518



69.2774, 69.1967, 39.8157

Complementary

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



52.0398, 69.1967, 89.2108



43.8354, 31.6711, 20.6346

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.



76.8860, 69.1967, 47.2537



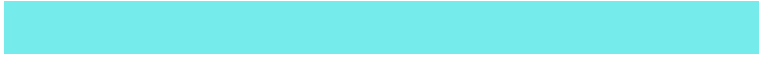
52.0398, 69.1967, 89.2108



82.0723, 69.1967, 85.6542

Square

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



52.0398, 69.1967, 89.2108



70.4483, 69.1967, 126.2313



81.7235, 69.1967, 62.9932



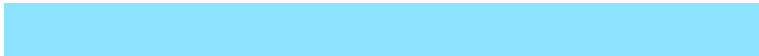
61.3024, 69.1967, 40.3825

Rectangle

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



52.0398, 69.1967, 89.2108



59.9314, 69.1967, 124.1145



81.7235, 69.1967, 62.9932



71.9747, 69.1967, 41.3864

Sweetspot

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



52.0419, 69.1994, 89.2124



82.3509, 93.4534, 108.3051



40.5245, 64.6233, 27.1689



17.2905, 19.8297, 23.1660



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.



52.0419, 69.1994, 89.2124



59.2890, 81.5646, 107.2240



38.2474, 41.6099, 84.6158



15.5177, 17.1219, 19.4092



24.8793, 36.4062, 49.4570



1.9536, 2.8588, 3.8836

Inverse Universe

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



43.8354, 31.6711, 20.6346



48.3898, 31.7221, 16.1437



52.6168, 49.2340, 23.5611



15.0655, 15.0541, 15.6305



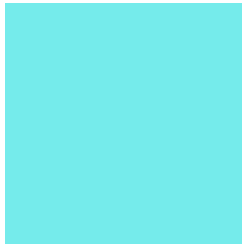
19.0678, 9.8298, 0.8925



1.4973, 0.7719, 0.0701

Previews

White Background



This preview shows how the XYZ color 52.0398, 69.1967, 89.2108 looks on a white background.

Color Contrast Check

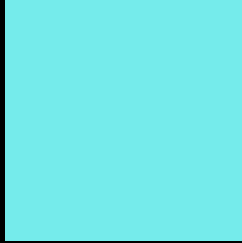
Large Text (above 18pt) WCAG AA × Fail

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 52.0398, 69.1967, 89.2108 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 52.0398, 69.1967, 89.2108

Background



This preview shows how black text looks on a background with the XYZ color 52.0398, 69.1967, 89.2108.

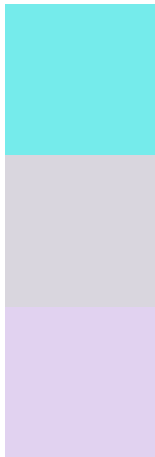


This preview shows how white text looks on a background with the XYZ color 52.0398, 69.1967,

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

52.0398, 69.1967, 89.2108

Protanopia

65.8467, 68.1188, 78.7850

Deuteranopia

69.8261, 68.3920, 91.9588



Tritanopia

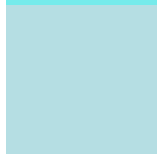
54.4376, 68.8892, 101.6946

Trichromacy



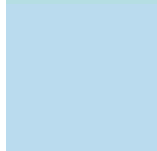
Original Color

52.0398, 69.1967, 89.2108



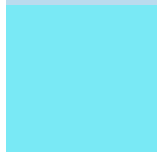
Protanomaly

59.0425, 67.6124, 82.6117



Deuteranomaly

61.0138, 67.2752, 90.6586



Tritanomaly

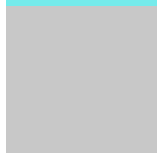
53.5055, 68.9353, 96.8720

Monochromacy



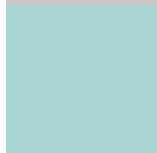
Original Color

52.0398, 69.1967, 89.2108



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

52.3821, 60.9386, 71.9523

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.0398, 69.1967, 89.2108 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(117, 235, 235)` looks like.

```
.text, #text, p{  
    color:rgb(117, 235, 235)  
}
```

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(117, 235, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 235, 235) }
```

Border

The CSS property to change the border of an element to XYZ 52.0398, 69.1967, 89.2108 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(117, 235, 235) }
```


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

```
.border{ border-color:rgb(117, 235, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 235, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 235, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 235, 235);  
box-shadow:4px 4px 4px 4px rgb(117, 235,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 52.0398, 69.1967, 89.2108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 235, 235) }
```

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

```
.background{ background-color: rgb(117,  
235, 235) }
```

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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