

Converting Colors

XYZ(50.8502, 68.4168, 92.1883)

Have a look what the booklet for
XYZ(50.8502, 68.4168, 92.1883)
contains.

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Color

**XYZ(50.8818, 68.5322,
92.2076)**

Conversions

Conversions Part 1

Format	Color
Hex	67EBEF
RGB	103, 235, 239
RGB Percent	40%, 92%, 94%
CMY	0.5961, 0.0784, 0.0627
CMYK	0.57, 0.02, 0.00, 0.06
HSL	182°, 81%, 67%
HSV	182°, 57%, 94%
XYZ	50.8818, 68.5322, 92.2076
YIQ	195.9880, -79.9560, -26.7400

Conversions

Conversions Part 2

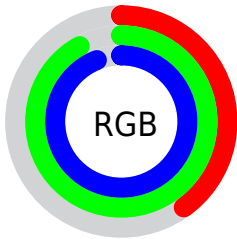
Format	Color
R_{YB}	103, 170, 239
Decimal	6810607
CIE _{Lab}	86.27, -34.84, -12.89
CIE _{LCh}	86, 37.148, 200.301
Yxy	68.5322, 0.2404, 0.3238
Android (android.graphics.Color)	4285000687 (0xFF67EBEF)
YUV	195.9880, 21.2049, -81.5505
Hunter-Lab	82.7842, -35.1605, -8.0901

Details

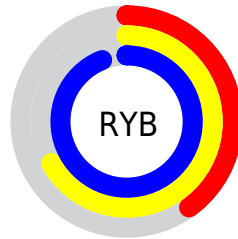
The XYZ color **50.8818, 68.5322, 92.2076** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **43.3038, 29.8467, 16.3123**, and the grayscale version is **52.3754, 55.1030, 60.0071**.

A 20% lighter version of the original color is **69.3270, 86.7393, 107.6962**, and **24.9168, 35.7877, 50.3942** is the 20% darker color. If you saturate the color by 10%, you get **48.3221, 66.9161, 92.0318**, and if you desaturate by 10%, it is **54.2297, 70.5589, 92.4236**.

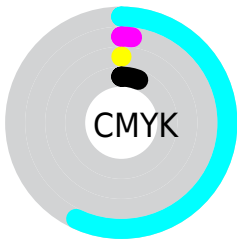
Distribution



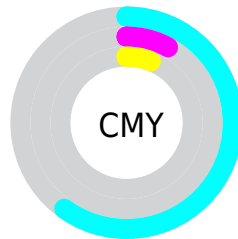
- Red (40%)
- Green (92%)
- Blue (94%)



- Red (40%)
- Yellow (67%)
- Blue (94%)



- Cyan (57%)
- Magenta (2%)
- Yellow (0%)
- Black (6%)



- Cyan (60%)
- Magenta (8%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.8818, 68.5322, 92.2076 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 50.8818, 68.5322, 92.2076 by changing the saturation by 10% instead.

50.8818, 68.5322,
92.2076

50.8818, 68.5322,
92.2076

380.4996,
455.3793, 555.9406

36.3352, 50.3308,
69.2291

90.6641, 117.1132,
152.3633

24.8645, 35.6763,
50.4254

116.6304,
148.2616, 190.3775

16.1043, 24.1843,
35.3780

147.1341,
184.4944, 234.2407

9.6893, 15.4704,
23.6683

182.5405,
226.1961, 284.3715

5.2541, 9.1502,
14.8778

223.2148,
273.7510, 341.1883

2.4334, 4.8393,
8.5880

269.5226,

0.8618, 2.1533,

327.5436, 405.1097

4.3803

321.8291,
387.9583, 476.5543

■ 0.0000, 0.6943,
1.8362

■ 0.0000, 0.0000,
0.4517

■ 50.8818, 68.5322,
92.2076

■ 50.8818, 68.5322,
92.2076

■ 48.3221, 66.9161,
92.0318

■ 54.2297, 70.5589,
92.4236

■ 46.4757, 65.6674,
91.8881


■ 58.4202, 73.0196,
92.6777


■ 45.2640, 64.7471,
91.7743


■ 63.5102, 75.9451,
92.9741

■ 44.5840, 64.1020,
91.6856


■ 69.5497, 79.3614,
93.3152


 44.4300, 63.9316,
91.6609

 76.5852, 83.2923,
93.7031

 84.6601, 87.7601,
94.1399

 87.9573, 89.7663,
94.3533

 88.1645, 90.1806,
94.4224

 88.3724, 90.5965,
94.4917

Harmonies

Analogous

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



50.2168, 68.5322, 66.9530



50.8818, 68.5322, 92.2076



55.1752, 68.5322, 117.1059

Triad

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



50.8818, 68.5322, 92.2076



78.6472, 68.5322, 108.9803



67.9517, 68.5322, 37.1181

Complementary

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



50.8818, 68.5322, 92.2076



43.3038, 29.8467, 16.3123

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.



76.2328, 68.5322, 43.8976



50.8818, 68.5322, 92.2076



82.7554, 68.5322, 82.8508

Square

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



50.8818, 68.5322, 92.2076



71.0198, 68.5322, 128.1671



81.8351, 68.5322, 59.4242



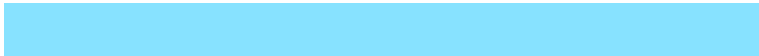
59.5899, 68.5322, 38.5521

Rectangle

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



50.8818, 68.5322, 92.2076



59.7431, 68.5322, 128.4101



81.8351, 68.5322, 59.4242



70.8478, 68.5322, 38.4431

Sweetspot

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



50.8839, 68.5348, 92.2092



80.4554, 91.8747, 108.1009



39.0251, 65.6434, 24.0519



16.9001, 19.4845, 23.1201



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.



50.8839, 68.5348, 92.2092



55.6503, 77.3066, 106.5963



35.3137, 37.3944, 87.0192



16.2052, 17.8445, 20.3118



24.5706, 35.3655, 50.6591



2.0565, 2.9670, 4.2185

Inverse Universe

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



55.4440, 34.0512, 82.2504



61.4673, 34.1304, 93.7105



53.0412, 49.3214, 19.5581



16.4330, 16.0229, 19.8365



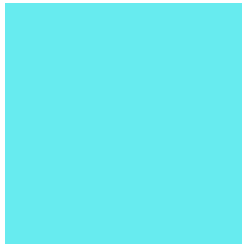
27.7277, 13.3635, 43.3443



2.3130, 1.1142, 3.6390

Previews

White Background



This preview shows how the XYZ color 50.8818, 68.5322, 92.2076 looks on a white background.

Color Contrast Check

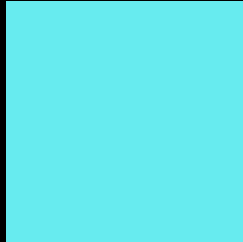
Large Text (above 18pt) WCAG AA × Fail

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 50.8818, 68.5322, 92.2076 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 50.8818, 68.5322, 92.2076

Background



This preview shows how black text looks on a background with the XYZ color 50.8818, 68.5322, 92.2076.

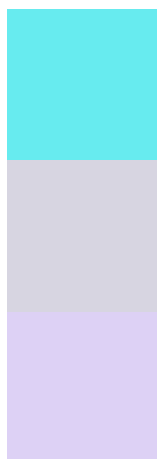


This preview shows how white text looks on a background with the XYZ color 50.8818, 68.5322,

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

50.8818, 68.5322, 92.2076

Protanopia

65.4092, 67.4718, 80.8101

Deuteranopia

69.1007, 67.5657, 95.7857



Tritanopia

52.8939, 68.4942, 102.5284

Trichromacy



Original Color

50.8818, 68.5322, 92.2076



Protanomaly

57.5949, 66.4247, 84.6486



Deuteranomaly

59.6092, 66.0788, 94.4068



Tritanomaly

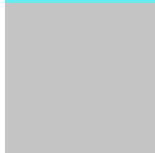
52.1552, 68.6252, 98.4928

Monochromacy



Original Color

50.8818, 68.5322, 92.2076



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

49.8306, 58.5280, 70.9580

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8818, 68.5322, 92.2076 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(103, 235, 239)` looks like.

```
.text, #text, p{  
    color:rgb(103, 235, 239)  
}
```

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(103, 235, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 235, 239) }
```

Border

The CSS property to change the border of an element to XYZ 50.8818, 68.5322, 92.2076 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(103, 235, 239) }
```


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

```
.border{ border-color:rgb(103, 235, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 235, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 235, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 235, 239);  
box-shadow:4px 4px 4px 4px rgb(103, 235,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8818, 68.5322, 92.2076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 235, 239) }
```

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

```
.background{ background-color: rgb(103,  
235, 239) }
```

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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