

Converting Colors

XYZ(50.2692, 70.3808, 86.3028)

Have a look what the booklet for
XYZ(50.2692, 70.3808, 86.3028)
contains.

XYZ(50.4078, 70.5765, 86.5672)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(50.4078, 70.5765,
86.5672)**

Conversions

Conversions Part 1

Format	Color
Hex	60F0E7
RGB	96, 240, 231
RGB Percent	38%, 94%, 91%
CMY	0.6235, 0.0588, 0.0941
CMYK	0.60, 0.00, 0.04, 0.06
HSL	176°, 83%, 66%
HSV	176°, 60%, 94%
XYZ	50.4078, 70.5765, 86.5672
YIQ	195.9180, -82.9350, -33.3270

Conversions

Conversions Part 2

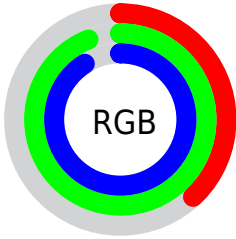
Format	Color
R_{YB}	96, 170, 240
Decimal	6353127
CIE _{Lab}	87.28, -40.45, -7.21
CIE _{LCh}	87, 41.084, 190.111
Yxy	70.5765, 0.2429, 0.3400
Android (android.graphics.Color)	4284543207 (0xFF60F0E7)
YUV	195.9180, 17.2954, -87.6281
Hunter-Lab	84.0098, -39.9131, -2.2880

Details

The XYZ color **50.4078, 70.5765, 86.5672** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **42.6703, 27.9131, 16.5059**, and the grayscale version is **52.3576, 55.0843, 59.9868**.

A 20% lighter version of the original color is **68.3072, 86.2136, 107.6485**, and **24.7700, 37.0016, 46.9108** is the 20% darker color. If you saturate the color by 10%, you get **48.0472, 69.3856, 85.3567**, and if you desaturate by 10%, it is **53.5449, 72.1708, 87.8267**.

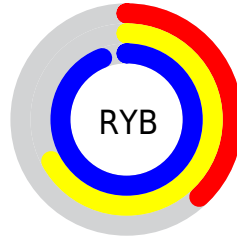
Distribution



Red (38%)

Green (94%)

Blue (91%)



Red (38%)

Yellow (67%)

Blue (94%)

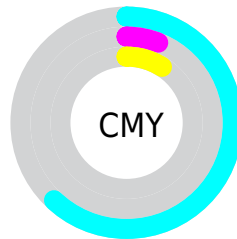


Cyan (60%)

Magenta (0%)

Yellow (4%)

Black (6%)



Cyan (62%)


Magenta (6%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.4078, 70.5765, 86.5672 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 50.4078, 70.5765, 86.5672 by changing the saturation by 10% instead.


 50.4078, 70.5765,
86.5672


 50.4078, 70.5765,
86.5672


378.6842,
462.5716, 537.0789


 35.9567, 51.9967,
64.5795


 89.9670, 120.0305,
144.4543

 24.5707, 37.0024,
46.6710


 115.8058,
151.6735, 181.1908

 15.8845, 25.2094,
32.4232


 146.1711,
188.4396, 223.6806

 9.5328, 16.2331,
21.4174

181.4285,
230.7133, 272.3423

 5.1502, 9.6893,
13.2353

221.9431,
278.8790, 327.5945

 2.3713, 5.1934,
7.4581

268.0803,

 0.8308, 2.3612,

333.3210, 389.8556

3.6675

320.2056,
394.4237, 459.5442

■ 0.0000, 0.8058,
1.4447

■ 0.0000, 0.0000,
0.1763

■ 50.4078, 70.5765,
86.5672

■ 50.4078, 70.5765,
86.5672

■ 48.0472, 69.3856,
85.3567

■ 53.5449, 72.1708,
87.8267

■ 46.3842, 68.5524,
84.1867


■ 57.5158, 74.1931,
89.1331


■ 45.3343, 68.0352,
83.0549


■ 62.3796, 76.6754,
90.4909


■ 44.7519, 67.7587,
81.9543


■ 68.1882, 79.6446,
91.9024


 44.7518, 67.7586,
81.9541

 74.9896, 83.1254,
93.3699

 82.8284, 87.1408,
94.8956

 88.3539, 89.9635,
96.3227

 88.5796, 90.0538,
97.5114

 88.8072, 90.1448,
98.7098

Harmonies

Analogous

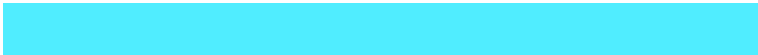
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.0880, 70.5765, 60.1340



50.4078, 70.5765, 86.5672



53.8557, 70.5765, 116.4611

Triad

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



50.4078, 70.5765, 86.5672



79.7721, 70.5765, 125.1254



73.5995, 70.5765, 36.8954

Complementary

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



50.4078, 70.5765, 86.5672



42.6703, 27.9131, 16.5059

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.



82.3110, 70.5765, 47.4185



50.4078, 70.5765, 86.5672



86.1050, 70.5765, 96.3982

Square

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



50.4078, 70.5765, 86.5672



70.3945, 70.5765, 142.0039



87.0763, 70.5765, 67.8809



63.8728, 70.5765, 35.4753

Rectangle

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



50.4078, 70.5765, 86.5672



58.2450, 70.5765, 132.8009



87.0763, 70.5765, 67.8809



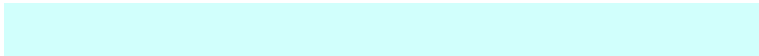
76.7679, 70.5765, 39.3400

Sweetspot

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



50.4099, 70.5792, 86.5689



79.6742, 92.1265, 105.7869



39.1701, 66.2072, 21.7829



16.5986, 19.4861, 22.5393



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.



50.4099, 70.5792, 86.5689



54.6446, 79.3774, 97.6493



36.3953, 40.4626, 88.3328



16.2022, 17.9109, 20.0877



24.5156, 37.0983, 44.9598



2.0523, 3.0914, 3.8078

Inverse Universe

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



42.6703, 27.9131, 16.5059



45.0754, 26.4402, 10.8866



50.3443, 43.9630, 16.9003



15.8129, 15.7749, 16.5708



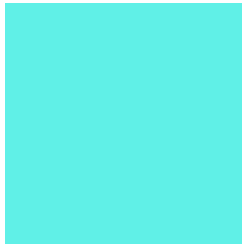
19.7347, 10.1663, 1.2535



1.6557, 0.8513, 0.1778

Previews

White Background



This preview shows how the XYZ color 50.4078, 70.5765, 86.5672 looks on a white background.

Color Contrast Check

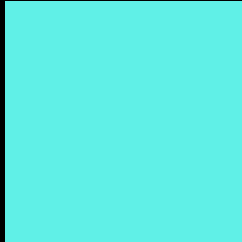
Large Text (above 18pt) WCAG AA × Fail

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 50.4078, 70.5765, 86.5672 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

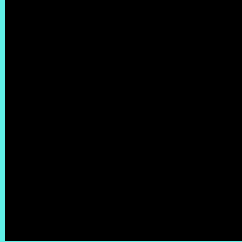
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.4078, 70.5765, 86.5672

Background



This preview shows how black text looks on a background with the XYZ color 50.4078, 70.5765, 86.5672.

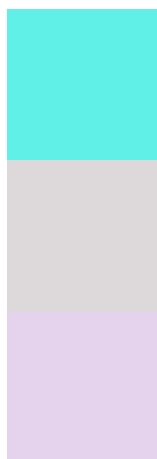


This preview shows how white text looks on a background with the XYZ color 50.4078, 70.5765,

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

50.4078, 70.5765, 86.5672

Protanopia

66.8990, 69.4936, 75.5333

Deuteranopia

70.8934, 69.3610, 89.7723



Tritanopia

54.3521, 70.4621, 105.3436

Trichromacy



Original Color

50.4078, 70.5765, 86.5672



Protanomaly

58.0145, 68.3545, 79.2433



Deuteranomaly

60.1727, 68.0645, 88.5636



Tritanomaly

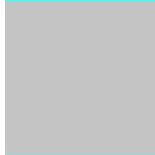
52.6277, 70.1653, 97.9583

Monochromacy



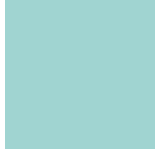
Original Color

50.4078, 70.5765, 86.5672



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

49.5493, 59.1640, 69.1299

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.4078, 70.5765, 86.5672 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(96, 240, 231)` looks like.

```
.text, #text, p{  
    color:rgb(96, 240, 231)  
}
```

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(96, 240, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 240, 231) }
```

Border

The CSS property to change the border of an element to XYZ 50.4078, 70.5765, 86.5672 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(96, 240, 231) }
```


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

```
.border{ border-color:rgb(96, 240, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 240, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 240, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 240, 231);  
box-shadow:4px 4px 4px 4px rgb(96, 240,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 50.4078, 70.5765, 86.5672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 240, 231) }
```

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

```
.background{ background-color: rgb(96, 240,  
231) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor