

Converting Colors

XYZ(45.4701, 61.7120, 82.1519)

Have a look what the booklet for
XYZ(45.4701, 61.7120, 82.1519)
contains.

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Color

**XYZ(45.5097, 61.8294,
82.2087)**

Conversions

Conversions Part 1

Format	Color
Hex	5FE1E3
RGB	95, 225, 227
RGB Percent	37%, 88%, 89%
CMY	0.6274, 0.1176, 0.1098
CMYK	0.58, 0.01, 0.00, 0.11
HSL	181°, 70%, 63%
HSV	181°, 58%, 89%
XYZ	45.5097, 61.8294, 82.2087
YIQ	186.3580, -78.1220, -26.9380

Conversions

Conversions Part 2

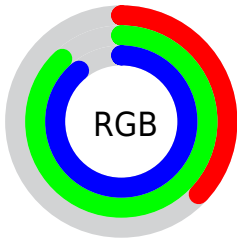
Format	Color
RYB	95, 160, 227
Decimal	6283747
CIELab	82.82, -34.80, -11.73
CIELCh	83, 36.721, 198.633
Yxy	61.8294, 0.2401, 0.3262
Android (android.graphics.Color)	4284473827 (0xFF5FE1E3)
YUV	186.3580, 20.0365, -80.1210
Hunter-Lab	78.6317, -34.2949, -6.9450

Details

The XYZ color **45.5097, 61.8294, 82.2087** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **38.0201, 25.7078, 13.7864**, and the grayscale version is **46.7973, 49.2344, 53.6162**.

A 20% lighter version of the original color is **67.7146, 85.9081, 107.6207**, and **21.6344, 31.3545, 43.9415** is the 20% darker color. If you saturate the color by 10%, you get **43.3941, 60.6024, 82.0845**, and if you desaturate by 10%, it is **48.3160, 63.4155, 82.3681**.

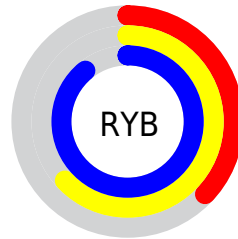
Distribution



Red (37%)

Green (88%)

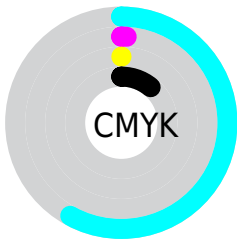
Blue (89%)



Red (37%)

Yellow (63%)

Blue (89%)

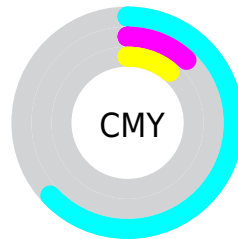


Cyan (58%)

Magenta (1%)

Yellow (0%)

Black (11%)



Cyan (63%)


Magenta (12%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.5097, 61.8294, 82.2087 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 45.5097, 61.8294, 82.2087 by changing the saturation by 10% instead.


 45.5097, 61.8294,
82.2087


 45.5097, 61.8294,
82.2087


359.5830,
431.3085, 522.2473


 32.0621, 44.8949,
61.0008


 82.7171, 107.4789,
138.3059

 21.5647, 31.3746,
43.7952


 107.2076,
136.9627, 174.0323

 13.6522, 20.8843,
30.1735


 136.1098,
171.3984, 215.4353

 7.9592, 13.0394,
19.7172

 169.7889,
211.1703, 262.9333

 4.1205, 7.4557,
12.0076

208.6105,
256.6629, 316.9450

 1.7705, 3.7487,
6.6262

252.9398,

 0.4998, 1.5340,

308.2605, 377.8888

3.1546

303.1422,
366.3476, 446.1834

■ 0.0000, 0.3125,
1.1741

■ 0.0000, 0.0000,
0.0000

■ 45.5097, 61.8294,
82.2087

■ 45.5097, 61.8294,
82.2087

■ 43.3941, 60.6024,
82.0845

■ 48.3160, 63.4155,
82.3681

■ 41.9022, 59.6958,
81.9881


■ 51.8617, 65.3817,
82.5607


■ 40.9632, 59.0745,
81.9177


■ 56.1973, 67.7554,
82.7903


■ 40.4741, 58.6854,
81.8684


■ 61.3676, 70.5597,
83.0591


 40.4043, 58.6241,
81.8602

 67.4138, 73.8158,
83.3689

 74.3744, 77.5435,
83.7216

 82.2858, 81.7617,
84.1188

 82.7807, 82.1568,
84.1690

 82.8752, 82.3458,
84.2005

Harmonies

Analogous

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



45.0906, 61.8294, 59.1023



45.5097, 61.8294, 82.2087



49.2841, 61.8294, 105.5571

Triad

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



45.5097, 61.8294, 82.2087



70.9272, 61.8294, 100.3792



61.8136, 61.8294, 33.0299

Complementary

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



45.5097, 61.8294, 82.2087



38.0201, 25.7078, 13.7864

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.



69.3943, 61.8294, 39.6537



45.5097, 61.8294, 82.2087



74.9620, 61.8294, 76.2698

Square

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



45.5097, 61.8294, 82.2087



63.7580, 61.8294, 117.5637



74.3772, 61.8294, 54.3500



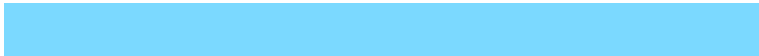
54.0435, 61.8294, 33.9261

Rectangle

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



45.5097, 61.8294, 82.2087



53.4018, 61.8294, 116.5369



74.3772, 61.8294, 54.3500



64.4800, 61.8294, 34.3777

Sweetspot

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



45.5116, 61.8318, 82.2102



80.6516, 92.2671, 108.1663



34.2554, 58.1986, 20.2562



16.9470, 19.5784, 23.1357



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.



45.5116, 61.8318, 82.2102



55.9745, 78.5852, 106.8260



31.3310, 33.4707, 77.4833



14.7878, 16.2970, 18.5106



23.5720, 34.2060, 47.7432



1.7479, 2.5398, 3.5301

Inverse Universe

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



49.3630, 29.9533, 74.4165



61.4770, 33.5452, 95.5780



46.4905, 42.6487, 16.6099



14.9852, 14.6113, 18.1226



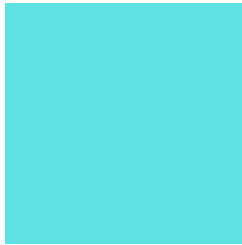
26.2915, 12.6508, 42.0257



1.9459, 0.9361, 3.1216

Previews

White Background



This preview shows how the XYZ color 45.5097, 61.8294, 82.2087 looks on a white background.

Color Contrast Check

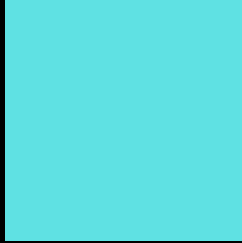
Large Text (above 18pt) WCAG AA × Fail

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 45.5097, 61.8294, 82.2087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

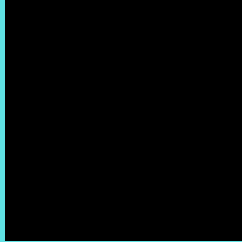
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

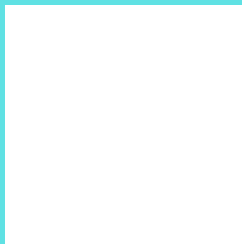
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.5097, 61.8294, 82.2087

Background



This preview shows how black text looks on a background with the XYZ color 45.5097, 61.8294, 82.2087.

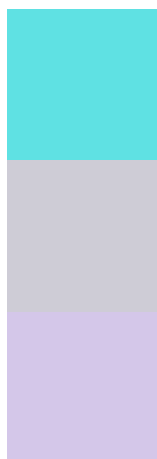


This preview shows how white text looks on a background with the XYZ color 45.5097, 61.8294,

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

45.5097, 61.8294, 82.2087

Protanopia

59.1841, 61.1626, 72.3046

Deuteranopia

62.2828, 60.7271, 85.5296



Tritanopia

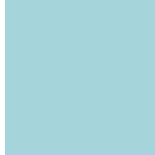
47.6317, 61.8929, 92.6552

Trichromacy



Original Color

45.5097, 61.8294, 82.2087



Protanomaly

52.0556, 60.3084, 75.9149



Deuteranomaly

53.3419, 59.3163, 84.2391



Tritanomaly

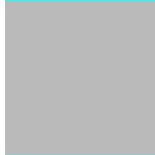
46.9416, 62.0201, 88.8539

Monochromacy



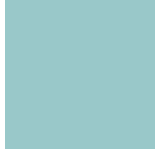
Original Color

45.5097, 61.8294, 82.2087



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

44.3338, 52.2979, 63.0162

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5097, 61.8294, 82.2087 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(95, 225, 227)` looks like.

```
.text, #text, p{  
    color:rgb(95, 225, 227)  
}
```

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(95, 225, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 225, 227) }
```

Border

The CSS property to change the border of an element to XYZ 45.5097, 61.8294, 82.2087 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(95, 225, 227) }
```


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

```
.border{ border-color:rgb(95, 225, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 225, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 225, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 225, 227);  
box-shadow:4px 4px 4px 4px rgb(95, 225,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5097, 61.8294, 82.2087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 225, 227) }
```

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

```
.background{ background-color: rgb(95, 225,  
227) }
```

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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