

Converting Colors

XYZ(38.1242, 57.1054, 66.5879)

Have a look what the booklet for
XYZ(38.1242, 57.1054, 66.5879)
contains.

XYZ(38.1794, 57.1858, 66.7833)	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(38.1794, 57.1858,
66.7833)**

Conversions

Conversions Part 1

Format	Color
Hex	2CDECD
RGB	44, 222, 205
RGB Percent	17%, 87%, 80%
CMY	0.8274, 0.1294, 0.1961
CMYK	0.80, 0.00, 0.08, 0.13
HSL	174°, 73%, 52%
HSV	174°, 80%, 87%
XYZ	38.1794, 57.1858, 66.7833
YIQ	166.8400, -100.6310, -43.0230

Conversions

Conversions Part 2

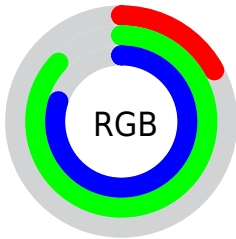
Format	Color
R_{YB}	44, 137, 222
Decimal	2940621
CIE _{Lab}	80.28, -46.10, -3.92
CIE _{LCh}	80, 46.263, 184.863
Yxy	57.1858, 0.2355, 0.3527
Android (android.graphics.Color)	4281130701 (0xFF2CDECD)
YUV	166.8400, 18.8129, -107.7307
Hunter-Lab	75.6213, -42.2168, 0.5742

Details

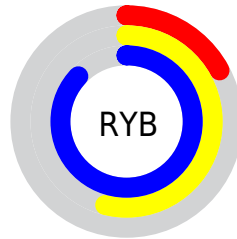
The XYZ color **38.1794, 57.1858, 66.7833** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **31.8691, 17.6695, 6.1478**, and the grayscale version is **36.6017, 38.5078, 41.9350**.

A 20% lighter version of the original color is **61.8360, 82.8776, 107.3456**, and **19.2221, 29.5068, 33.9604** is the 20% darker color. If you saturate the color by 10%, you get **37.2143, 56.7189, 65.4121**, and if you desaturate by 10%, it is **39.6608, 57.9210, 68.1994**.

Distribution



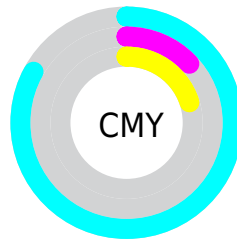
- Red (17%)
- Green (87%)
- Blue (80%)



- Red (17%)
- Yellow (54%)
- Blue (87%)



- Cyan (80%)
- Magenta (0%)
- Yellow (8%)
- Black (13%)





- Cyan (83%)
- Magenta (13%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.1794, 57.1858, 66.7833 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 38.1794, 57.1858, 66.7833 by changing the saturation by 10% instead.


 38.1794, 57.1858,
66.7833


 38.1794, 57.1858,
66.7833


329.6565,
414.1452, 467.6535


 26.2998, 41.1544,
48.4481


 71.6852, 100.7362,
116.2475


 17.1819, 28.4398,
33.8193


 94.0420, 129.0241,
148.2136


 10.4604, 18.6574,
22.4786


 120.6220,
162.1663, 185.5604

 5.7699, 11.4230,
14.0073

 151.7905,
200.5471, 228.7064

 2.7450, 6.3521,
7.9869

 187.9129,
244.5510, 278.0702

 1.0204, 3.0603,
3.9989

229.3544,

 0.0000, 1.1633,

294.5624, 334.0702

1.6248

276.4805,
350.9656, 397.1252

■ 0.0000, 0.0314,
0.3084

■ 0.0000, 0.0000,
0.0000

■ 38.1794, 57.1858,
66.7833

■ 38.1794, 57.1858,
66.7833

■ 37.2143, 56.7189,
65.4121

■ 39.6608, 57.9210,
68.1994

■ 36.6410, 56.4519,
64.0987

■ 41.7246, 58.9548,
69.6596

■ 44.4327, 60.3203,
71.1683

■ 47.8375, 62.0445,
72.7278

■ 51.9861, 64.1518,
74.3406

■ 56.9215, 66.6643,
76.0087

■ 62.6835, 69.6025,
77.7339

■ 69.3090, 72.9854,
79.5182

■ 76.8328, 76.8310,
81.3632

Harmonies

Analogous

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



39.5030, 57.1858, 42.6671



38.1794, 57.1858, 66.7833



40.7616, 57.1858, 97.0132

Triad

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



38.1794, 57.1858, 66.7833



65.4194, 57.1858, 115.4905



62.4460, 57.1858, 26.0289

Complementary

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



38.1794, 57.1858, 66.7833



31.8691, 17.6695, 6.1478

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.



70.6734, 57.1858, 36.9980



38.1794, 57.1858, 66.7833



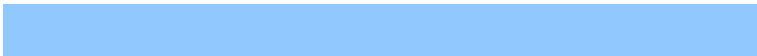
72.5249, 57.1858, 87.0996

Square

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



38.1794, 57.1858, 66.7833



55.9088, 57.1858, 129.8703



74.5506, 57.1858, 57.9564



52.8271, 57.1858, 23.4664

Rectangle

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



38.1794, 57.1858, 66.7833



44.5489, 57.1858, 115.2744



74.5506, 57.1858, 57.9564



65.5002, 57.1858, 28.6600

Sweetspot

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



38.1811, 57.1880, 66.7847



75.0798, 89.8121, 103.1270



28.5519, 53.4444, 11.1951



15.5579, 18.9627, 21.8984



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.



38.1811, 57.1880, 66.7847



50.3987, 77.3902, 88.3402



25.2601, 27.8810, 73.1599



14.0572, 15.5486, 17.3363



21.7860, 33.5392, 38.1915



1.5267, 2.3314, 2.7349

Inverse Universe

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



31.8691, 17.6695, 6.1478



41.6335, 21.5945, 3.4559



36.7347, 28.0213, 5.8566



13.7601, 13.7217, 14.5071



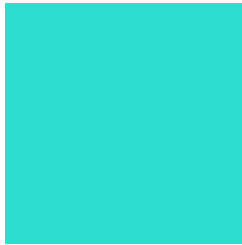
17.9929, 9.2641, 1.3623



1.2656, 0.6495, 0.1916

Previews

White Background



This preview shows how the XYZ color 38.1794, 57.1858, 66.7833 looks on a white background.

Color Contrast Check

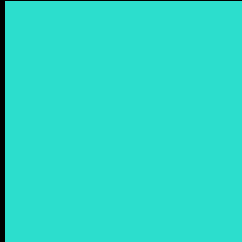
Large Text (above 18pt) WCAG AA × Fail

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 38.1794, 57.1858, 66.7833 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

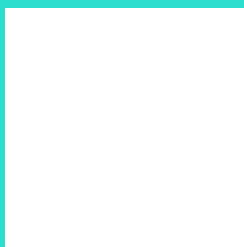
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.1794, 57.1858, 66.7833

Background



This preview shows how black text looks on a background with the XYZ color 38.1794, 57.1858, 66.7833.

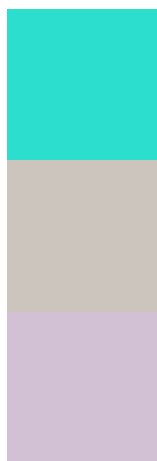


This preview shows how white text looks on a background with the XYZ color 38.1794, 57.1858,

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

38.1794, 57.1858, 66.7833

Protanopia

53.8891, 56.3467, 56.7509

Deuteranopia

57.3116, 56.1544, 70.1056



Tritanopia

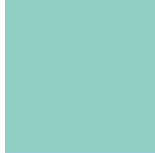
42.3815, 57.3343, 87.4301

Trichromacy



Original Color

38.1794, 57.1858, 66.7833



Protanomaly

43.5987, 54.1025, 59.7747



Deuteranomaly

45.4422, 53.7994, 68.3109



Tritanomaly

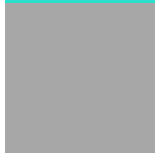
40.5897, 56.9747, 79.3789

Monochromacy



Original Color

38.1794, 57.1858, 66.7833



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

34.1369, 43.0144, 50.2195

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1794, 57.1858, 66.7833 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(44, 222, 205)` looks like.

```
.text, #text, p{  
    color:rgb(44, 222, 205)  
}
```

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(44, 222, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 222, 205) }
```

Border

The CSS property to change the border of an element to XYZ 38.1794, 57.1858, 66.7833 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(44, 222, 205) }
```


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

```
.border{ border-color:rgb(44, 222, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 222, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 222, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 222, 205);  
box-shadow:4px 4px 4px 4px rgb(44, 222,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1794, 57.1858, 66.7833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 222, 205) }
```

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

```
.background{ background-color: rgb(44, 222,  
205) }
```

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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