

Converting Colors

XYZ(38.8725, 57.1077, 68.6486)

Have a look what the booklet for
XYZ(38.8725, 57.1077, 68.6486)
contains.

XYZ(38.8725, 57.1077, 68.6486)	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(38.8725, 57.1077,
68.6486)**

Conversions

Conversions Part 1

Format	Color
Hex	38DDD0
RGB	56, 221, 208
RGB Percent	22%, 87%, 82%
CMY	0.7804, 0.1333, 0.1843
CMYK	0.75, 0.00, 0.06, 0.13
HSL	175°, 71%, 54%
HSV	175°, 75%, 87%
XYZ	38.8725, 57.1077, 68.6486
YIQ	170.1830, -94.1670, -39.0230

Conversions

Conversions Part 2

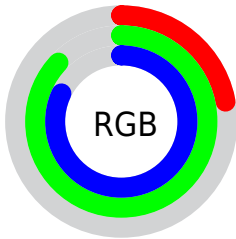
Format	Color
RYB	56, 142, 221
Decimal	3726800
CIELab	80.24, -43.69, -5.56
CIELCh	80, 44.041, 187.259
Yxy	57.1077, 0.2361, 0.3469
Android (android.graphics.Color)	4281916880 (0xFF38DDD0)
YUV	170.1830, 18.6438, -100.1385
Hunter-Lab	75.5696, -40.4277, -0.9612

Details

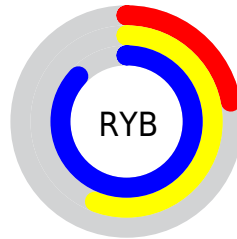
The XYZ color **38.8725, 57.1077, 68.6486** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **32.3091, 18.6319, 7.5257**, and the grayscale version is **38.2455, 40.2373, 43.8184**.

A 20% lighter version of the original color is **62.7121, 83.3292, 107.3866**, and **19.2879, 29.2434, 35.1998** is the 20% darker color. If you saturate the color by 10%, you get **37.6863, 56.5221, 67.4819**, and if you desaturate by 10%, it is **40.6092, 57.9794, 69.8559**.

Distribution



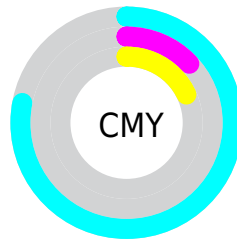
- Red (22%)
- Green (87%)
- Blue (82%)



- Red (22%)
- Yellow (56%)
- Blue (87%)



- Cyan (75%)
- Magenta (0%)
- Yellow (6%)
- Black (13%)





- Cyan (78%)
- Magenta (13%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.8725, 57.1077, 68.6486 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 38.8725, 57.1077, 68.6486 by changing the saturation by 10% instead.


 38.8725, 57.1077,
68.6486


 38.8725, 57.1077,
68.6486


332.5646,
413.8528, 474.4509


 26.8408, 41.0917,
49.9556


 72.7388, 100.6223,
118.9425


 17.5897, 28.3908,
35.0072


 95.3042, 128.8897,
151.3805

 10.7537, 18.6204,
23.3848


 122.1115,
162.0098, 189.2372

 5.9675, 11.3963,
14.6699

 153.5261,
200.3668, 232.9312

 2.8658, 6.3341,
8.4440

189.9134,
244.3452, 282.8811

 1.0832, 3.0493,
4.2885

231.6386,

 0.0110, 1.1575,

294.3294, 339.5053

1.7849

279.0673,
350.7038, 403.2224

■ 0.0000, 0.0266,
0.4180

■ 0.0000, 0.0000,
0.0000

■ 38.8725, 57.1077,
68.6486

■ 38.8725, 57.1077,
68.6486

■ 37.6863, 56.5221,
67.4819

■ 40.6092, 57.9794,
69.8559


■ 36.9677, 56.1760,
66.3480


■ 42.9550, 59.1636,
71.1028


■ 36.7070, 56.0545,
65.7528

■ 45.9666, 60.6906,
72.3932


■ 49.6926, 62.5858,
73.7295

 54.1775, 64.8718,
75.1136

 59.4616, 67.5696,
76.5477

 65.5829, 70.6987,
78.0335

 72.5767, 74.2773,
79.5726

 80.4762, 78.3225,
81.1667

Harmonies

Analogous

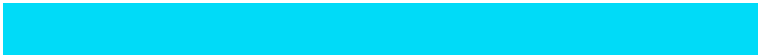
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.8454, 57.1077, 44.9377



38.8725, 57.1077, 68.6486



41.6495, 57.1077, 97.2302

Triad

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



38.8725, 57.1077, 68.6486



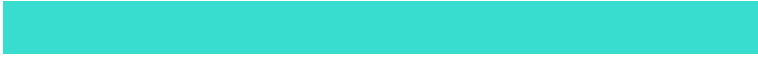
65.4327, 57.1077, 110.4977



61.2401, 57.1077, 26.7836

Complementary

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



38.8725, 57.1077, 68.6486



32.3091, 18.6319, 7.5257

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.



69.2342, 57.1077, 36.7642



38.8725, 57.1077, 68.6486



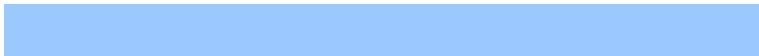
71.8352, 57.1077, 83.3510

Square

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



38.8725, 57.1077, 68.6486



56.4930, 57.1077, 125.3612



73.2980, 57.1077, 56.1321



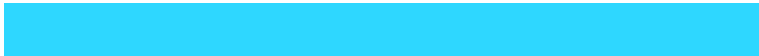
52.1240, 57.1077, 24.8625

Rectangle

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



38.8725, 57.1077, 68.6486



45.4557, 57.1077, 113.8147



73.2980, 57.1077, 56.1321



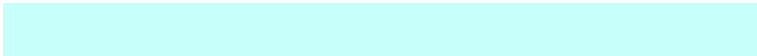
64.1764, 57.1077, 29.1408

Sweetspot

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



38.8742, 57.1099, 68.6500



76.6330, 90.5870, 104.3654



29.0799, 53.2935, 12.4968



16.0007, 19.1843, 22.2241



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.



38.8742, 57.1099, 68.6500



51.4470, 77.8425, 92.3692



25.9530, 28.6015, 72.5617



13.3983, 14.8109, 16.5603



21.3425, 32.5696, 38.2983



1.3961, 2.1154, 2.5519

Inverse Universe

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



32.3091, 18.6319, 7.5257



42.0453, 22.1556, 4.4026



37.8369, 30.2642, 7.5901



13.0975, 13.0681, 13.7746



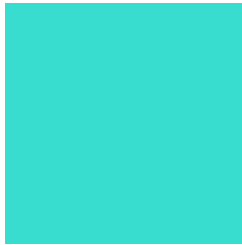
17.3992, 8.9607, 1.2162



1.1420, 0.5864, 0.1569

Previews

White Background



This preview shows how the XYZ color 38.8725, 57.1077, 68.6486 looks on a white background.

Color Contrast Check

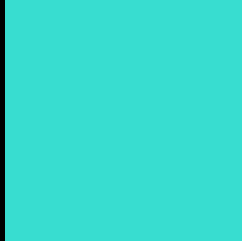
Large Text (above 18pt) WCAG AA × Fail

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 38.8725, 57.1077, 68.6486 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

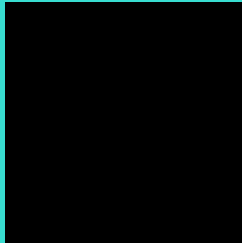
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

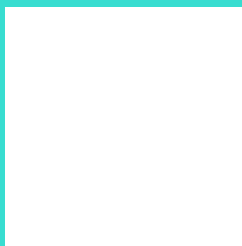
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.8725, 57.1077, 68.6486

Background



This preview shows how black text looks on a background with the XYZ color 38.8725, 57.1077, 68.6486.

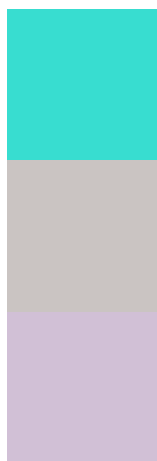


This preview shows how white text looks on a background with the XYZ color 38.8725, 57.1077,

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

38.8725, 57.1077, 68.6486

Protanopia

53.8347, 55.9315, 58.9974

Deuteranopia

57.2817, 56.1096, 71.4295



Tritanopia

42.5559, 57.0403, 87.3642

Trichromacy



Original Color

38.8725, 57.1077, 68.6486



Protanomaly

44.5346, 54.1757, 62.1426



Deuteranomaly

46.3765, 54.2376, 70.3120



Tritanomaly

40.9767, 56.7723, 80.0326

Monochromacy



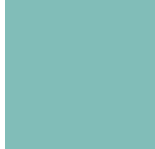
Original Color

38.8725, 57.1077, 68.6486



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

35.9026, 44.5230, 52.0489

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8725, 57.1077, 68.6486 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(56, 221, 208)` looks like.

```
.text, #text, p{  
    color:rgb(56, 221, 208)  
}
```

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(56, 221, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 221, 208) }
```

Border

The CSS property to change the border of an element to XYZ 38.8725, 57.1077, 68.6486 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(56, 221, 208) }
```


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

```
.border{ border-color:rgb(56, 221, 208) }
```

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

Here you see how a box with a 4 pixel rgb(56, 221, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 221, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 221, 208);  
box-shadow:4px 4px 4px 4px rgb(56, 221,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8725, 57.1077, 68.6486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 221, 208) }
```

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

```
.background{ background-color: rgb(56, 221,  
208) }
```

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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