

Converting Colors

XYZ(37.9837, 52.3834, 57.2880)

Have a look what the booklet for
XYZ(37.9837, 52.3834, 57.2880)
contains.

XYZ(38.0301, 52.3658, 57.3934)	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(38.0301, 52.3658,
57.3934)**

Conversions

Conversions Part 1

Format	Color
Hex	69D1BF
RGB	105, 209, 191
RGB Percent	41%, 82%, 75%
CMY	0.5882, 0.1804, 0.2510
CMYK	0.50, 0.00, 0.09, 0.18
HSL	170°, 53%, 62%
HSV	170°, 50%, 82%
XYZ	38.0301, 52.3658, 57.3934
YIQ	175.8520, -56.2060, -27.6460

Conversions

Conversions Part 2

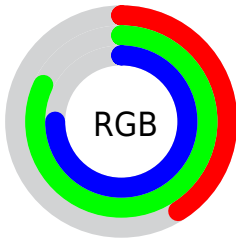
Format	Color
RYB	105, 162, 209
Decimal	6934975
CIELab	77.50, -34.57, -0.35
CIElCh	77, 34.575, 180.586
Yxy	52.3658, 0.2573, 0.3543
Android (android.graphics.Color)	4285125055 (0xFF69D1BF)
YUV	175.8520, 7.4680, -62.1372
Hunter-Lab	72.3642, -32.8290, 3.6310

Details

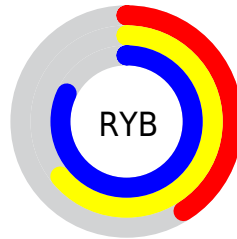
The XYZ color **38.0301, 52.3658, 57.3934** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **34.9230, 25.0899, 21.7429**, and the grayscale version is **41.1743, 43.3186, 47.1739**.

A 20% lighter version of the original color is **67.6528, 86.0219, 101.0339**, and **17.1393, 25.4598, 28.0556** is the 20% darker color. If you saturate the color by 10%, you get **35.4775, 51.0966, 55.2221**, and if you desaturate by 10%, it is **41.1987, 53.9540, 59.6471**.

Distribution



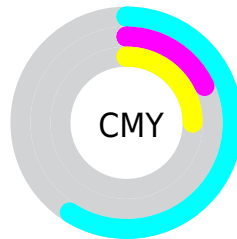
- Red (41%)
- Green (82%)
- Blue (75%)



- Red (41%)
- Yellow (64%)
- Blue (82%)



- Cyan (50%)
- Magenta (0%)
- Yellow (9%)
- Black (18%)





- Cyan (59%)
- Magenta (18%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.0301, 52.3658, 57.3934 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 38.0301, 52.3658, 57.3934 by changing the saturation by 10% instead.


 38.0301, 52.3658,
57.3934


 38.0301, 52.3658,
57.3934


329.0277,
395.8472, 432.4568

 26.1834, 37.2967,
40.9097


 71.4579, 93.6705,
102.5450


 17.0943, 25.4373,
27.9294


 93.7696, 120.6749,
132.0500

 10.3974, 16.4032,
18.0338


 120.3004,
152.4266, 166.7325

 5.7275, 9.8099,
10.8046

 151.4156,
189.3098, 207.0111

 2.7192, 5.2731,
5.8231

187.4806,
231.7091, 253.3043

 1.0071, 2.4084,
2.6708

228.8607,

 0.0000, 0.8302,

280.0089, 306.0306

0.9287

275.9213,
334.5934, 365.6086

■ 0.0000, 0.0000,
0.0000

■ 38.0301, 52.3658,
57.3934

■ 38.0301, 52.3658,
57.3934

■ 35.4775, 51.0966,
55.2221

■ 41.1987, 53.9540,
59.6471

■ 33.4914, 50.1171,
53.1272

■ 45.0193, 55.8759,
61.9819

■ 32.0219, 49.4027,
51.1071


■ 49.5305, 58.1526,
64.4011


■ 31.0083, 48.9222,
49.1586


■ 54.7663, 60.8017,
66.9066


■ 30.3420, 48.6197,
47.2761


■ 60.7589, 63.8398,
69.5004

 30.3273, 48.6131,
47.2316

 67.5381, 67.2822,
72.1840

 75.1322, 71.1436,
74.9592

 76.9522, 72.0271,
77.5180

 77.4365, 72.2208,
80.0684

Harmonies

Analogous

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



39.4264, 52.3658, 40.8309



38.0301, 52.3658, 57.3934



39.5387, 52.3658, 77.7964

Triad

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



38.0301, 52.3658, 57.3934



56.5790, 52.3658, 94.7908



56.3322, 52.3658, 30.6583

Complementary

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



38.0301, 52.3658, 57.3934



34.9230, 25.0899, 21.7429

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.



61.6345, 52.3658, 40.3130



38.0301, 52.3658, 57.3934



61.7857, 52.3658, 76.9999

Square

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



38.0301, 52.3658, 57.3934



49.9032, 52.3658, 102.1332



63.7119, 52.3658, 56.6432



49.6413, 52.3658, 27.6374

Rectangle

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



38.0301, 52.3658, 57.3934



42.0737, 52.3658, 90.3173



63.7119, 52.3658, 56.6432



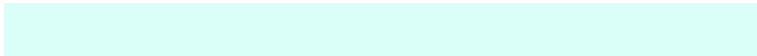
58.3567, 52.3658, 33.1109

Sweetspot

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



38.0316, 52.3679, 57.3946



81.3032, 93.0343, 102.7878



33.6737, 50.9130, 21.4179



17.0354, 19.7276, 21.8224



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.



38.0316, 52.3679, 57.3946



55.3149, 79.9749, 86.2963



32.8743, 38.6853, 66.0584



12.0669, 13.3705, 14.7085



18.7305, 29.9852, 29.2909



1.0710, 1.6861, 1.7626

Inverse Universe

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



34.9230, 25.0899, 21.7429



49.9196, 32.3340, 24.1995



37.9249, 32.7347, 17.6851



11.8911, 11.8412, 12.7022



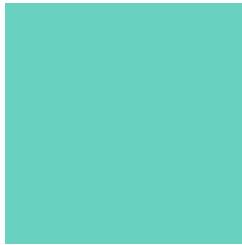
16.4358, 8.4472, 1.9352



0.9452, 0.4828, 0.2462

Previews

White Background



This preview shows how the XYZ color 38.0301, 52.3658, 57.3934 looks on a white background.

Color Contrast Check

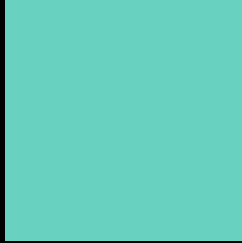
Large Text (above 18pt) WCAG AA × Fail

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 38.0301, 52.3658, 57.3934 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

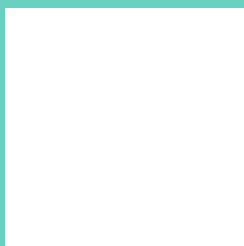
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.0301, 52.3658, 57.3934

Background



This preview shows how black text looks on a background with the XYZ color 38.0301, 52.3658, 57.3934.

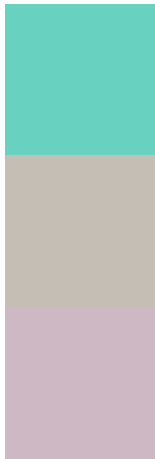


This preview shows how white text looks on a background with the XYZ color 38.0301, 52.3658,

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

38.0301, 52.3658, 57.3934

Protanopia

49.4166, 51.8580, 50.5851

Deuteranopia

52.5579, 51.3883, 59.3734



Tritanopia

41.8219, 52.4605, 76.3283

Trichromacy



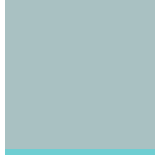
Original Color

38.0301, 52.3658, 57.3934



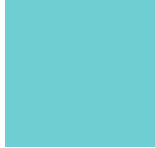
Protanomaly

43.7222, 51.1797, 52.9217



Deuteranomaly

45.1698, 50.4700, 58.3999



Tritanomaly

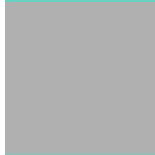
40.2597, 52.1753, 68.9217

Monochromacy



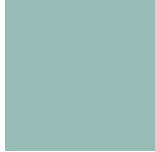
Original Color

38.0301, 52.3658, 57.3934



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

38.9014, 45.7867, 50.5035

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0301, 52.3658, 57.3934 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(105, 209, 191)` looks like.

```
.text, #text, p{  
    color:rgb(105, 209, 191)  
}
```

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(105, 209, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 209, 191) }
```

Border

The CSS property to change the border of an element to XYZ 38.0301, 52.3658, 57.3934 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(105, 209, 191) }
```


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

```
.border{ border-color:rgb(105, 209, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 209, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 209, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 209, 191);  
box-shadow:4px 4px 4px 4px rgb(105, 209,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0301, 52.3658, 57.3934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 209, 191) }
```

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

```
.background{ background-color: rgb(105,  
209, 191) }
```

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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