

Converting Colors

XYZ(38.1585, 50.7252, 65.3864)

Have a look what the booklet for
XYZ(38.1585, 50.7252, 65.3864)
contains.

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Color

**XYZ(38.2176, 50.8371,
65.5559)**

Conversions

Conversions Part 1

Format	Color
Hex	65CDCD
RGB	101, 205, 205
RGB Percent	40%, 80%, 80%
CMY	0.6039, 0.1961, 0.1961
CMYK	0.51, 0.00, 0.00, 0.20
HSL	180°, 51%, 60%
HSV	180°, 51%, 80%
XYZ	38.2176, 50.8371, 65.5559
YIQ	173.9040, -61.9840, -22.0480

Conversions

Conversions Part 2

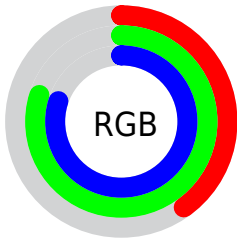
Format	Color
RYB	101, 153, 205
Decimal	6671821
CIELab	76.58, -30.01, -9.26
CIELCh	77, 31.405, 197.149
Yxy	50.8371, 0.2472, 0.3288
Android (android.graphics.Color)	4284861901 (0xFF65CDCD)
YUV	173.9040, 15.3303, -63.9368
Hunter-Lab	71.3001, -29.0974, -4.6032

Details

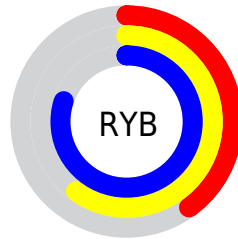
The XYZ color **38.2176, 50.8371, 65.5559** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.1812, 23.2276, 15.1009**, and the grayscale version is **40.1308, 42.2207, 45.9784**.

A 20% lighter version of the original color is **68.1081, 86.1109, 107.6391**, and **17.1519, 24.3871, 33.0813** is the 20% darker color. If you saturate the color by 10%, you get **36.2027, 49.7996, 65.4625**, and if you desaturate by 10%, it is **40.8079, 52.1736, 65.6785**.

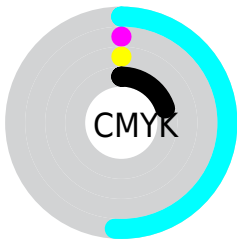
Distribution



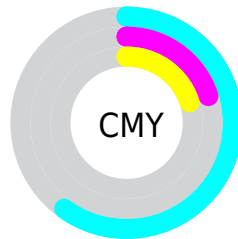
- Red (40%)
- Green (80%)
- Blue (80%)



- Red (40%)
- Yellow (60%)
- Blue (80%)



- Cyan (51%)
- Magenta (0%)
- Yellow (0%)
- Black (20%)





- Cyan (60%)
- Magenta (20%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.2176, 50.8371, 65.5559 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 38.2176, 50.8371, 65.5559 by changing the saturation by 10% instead.


 38.2176, 50.8371,
65.5559


 38.2176, 50.8371,
65.5559


329.8172,
389.9306, 463.1477


 26.3296, 36.0790,
47.4578


 71.7433, 91.4139,
114.4696


 17.2044, 24.4952,
33.0408


 94.1117, 118.0014,
146.1223

 10.4765, 15.7014,
21.8863


 120.7043,
149.3009, 183.1302

 5.7807, 9.3131,
13.5759

 151.8864,
185.6966, 225.9119

 2.7516, 4.9460,
7.6909

188.0234,
227.5730, 274.8860

 1.0238, 2.2156,
3.8129

229.4806,

 0.0000, 0.7285,

275.3146, 330.4710

1.5233

276.6234,
329.3056, 393.0854

■ 0.0000, 0.0000,
0.2352

■ 0.0000, 0.0000,
0.0000

■ 38.2176, 50.8371,
65.5559

■ 38.2176, 50.8371,
65.5559

■ 36.2027, 49.7996,
65.4625

■ 40.8079, 52.1736,
65.6785

■ 34.7154, 49.0328,
65.3927

■ 44.0081, 53.8234,
65.8285

■ 33.7075, 48.5133,
65.3453

■ 47.8552, 55.8066,
66.0087

■ 33.1202, 48.2105,
65.3176

■ 52.3818, 58.1402,
66.2208

■ 32.8515, 48.0720,
65.3048

■ 57.6188, 60.8399,
66.4661

■ 63.5946, 63.9206,
66.7460

■ 70.3365, 67.3962,
67.0618

■ 74.0921, 69.3322,
67.2378

■ 74.0921, 69.3322,
67.2380

Harmonies

Analogous

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



38.0285, 50.8371, 48.3996



38.2176, 50.8371, 65.5559



40.9685, 50.8371, 82.9260

Triad

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



38.2176, 50.8371, 65.5559



57.1743, 50.8371, 80.6784



50.9011, 50.8371, 29.2193

Complementary

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



38.2176, 50.8371, 65.5559



32.1812, 23.2276, 15.1009

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.



56.5003, 50.8371, 34.6896



38.2176, 50.8371, 65.5559



60.3165, 50.8371, 62.9423

Square

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



38.2176, 50.8371, 65.5559



51.7615, 50.8371, 92.8087



60.0601, 50.8371, 46.2677



45.0329, 50.8371, 29.6354

Rectangle

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



38.2176, 50.8371, 65.5559



44.0230, 50.8371, 91.2486



60.0601, 50.8371, 46.2677



52.8860, 50.8371, 30.3745

Sweetspot

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



38.2191, 50.8391, 65.5571



82.3509, 93.4534, 108.3051



29.7449, 47.4720, 19.9085



17.2905, 19.8297, 23.1660



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.



38.2191, 50.8391, 65.5571



59.0045, 81.4179, 107.2108



28.0649, 30.5303, 62.1735



11.5433, 12.7271, 14.4185



20.4506, 29.9255, 40.6532



1.0550, 1.5438, 2.0973

Inverse Universe

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



32.1812, 23.2276, 15.1009



48.0184, 31.1787, 15.4054



38.6372, 36.1398, 17.2525



11.2124, 11.2137, 11.6530



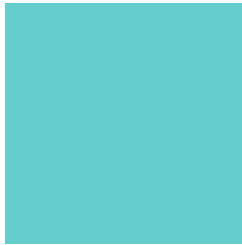
15.6735, 8.0800, 0.7336



0.8086, 0.4168, 0.0379

Previews

White Background



This preview shows how the XYZ color 38.2176, 50.8371, 65.5559 looks on a white background.

Color Contrast Check

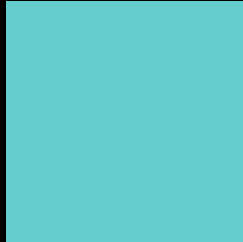
Large Text (above 18pt) WCAG AA × Fail

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 38.2176, 50.8371, 65.5559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

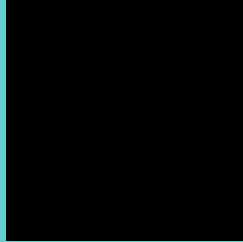
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.2176, 50.8371, 65.5559

Background



This preview shows how black text looks on a background with the XYZ color 38.2176, 50.8371, 65.5559.

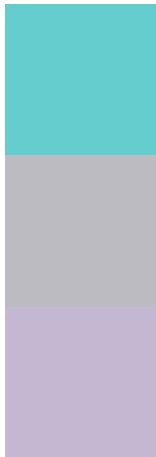


This preview shows how white text looks on a background with the XYZ color 38.2176, 50.8371,

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

38.2176, 50.8371, 65.5559

Protanopia

48.4942, 50.2545, 58.1831

Deuteranopia

51.3313, 50.2559, 67.9677



Tritanopia

40.0860, 50.8905, 74.7279

Trichromacy



Original Color

38.2176, 50.8371, 65.5559

Protanomaly

43.3895, 49.8289, 60.7571

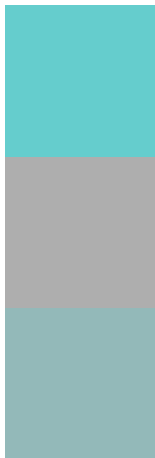
Deuteranomaly

44.7139, 49.3927, 66.8516

Tritanomaly

39.4394, 50.9838, 71.3805

Monochromacy



Original Color

38.2176, 50.8371, 65.5559

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

38.1385, 44.4038, 52.4596

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2176, 50.8371, 65.5559 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(101, 205, 205)` looks like.

```
.text, #text, p{  
    color:rgb(101, 205, 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(101, 205, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 205, 205) }
```

Border

The CSS property to change the border of an element to XYZ 38.2176, 50.8371, 65.5559 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(101, 205, 205) }
```


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

```
.border{ border-color:rgb(101, 205, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 205, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 205, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 205, 205);  
box-shadow:4px 4px 4px 4px rgb(101, 205,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2176, 50.8371, 65.5559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 205, 205) }
```

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

```
.background{ background-color: rgb(101,  
205, 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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