

Converting Colors

XYZ(38.8490, 56.3317, 75.6602)

Have a look what the booklet for
XYZ(38.8490, 56.3317, 75.6602)
contains.

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Color

**XYZ(38.7774, 56.1176,
75.8058)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 22DBDB |
| RGB | 34, 219, 219 |
| RGB Percent | 13%, 86%, 86% |
| CMY | 0.8666, 0.1412, 0.1412 |
| CMYK | 0.84, 0.00, 0.00, 0.14 |
| HSL | 180°, 73%, 50% |
| HSV | 180°, 84%, 86% |
| XYZ | 38.7774, 56.1176, 75.8058 |
| YIQ | 163.6850, -110.2600, -39.2200 |

Conversions

Conversions Part 2

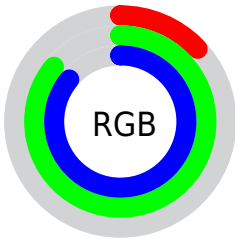
| Format | Color |
|-------------------------------------|--|
| RYB | 34, 127, 219 |
| Decimal | 2284507 |
| CIELab | 79.68, -41.58, -12.29 |
| CIELCh | 80, 43.359, 196.471 |
| Yxy | 56.1176, 0.2272, 0.3287 |
| Android (android.graphics.Color) | 4280474587 (0xFF22DBDB) |
| YUV | 163.6850, 27.2703, -113.7337 |
| Hunter-Lab | 74.9117, -38.6964, -7.5595 |

Details

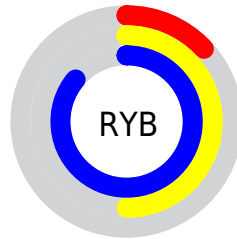
The XYZ color **38.7774, 56.1176, 75.8058** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **30.0761, 16.3214, 3.0802**, and the grayscale version is **35.0527, 36.8782, 40.1603**.

A 20% lighter version of the original color is **61.4177, 82.6619, 107.3260**, and **19.7980, 28.8747, 39.6519** is the 20% darker color. If you saturate the color by 10%, you get **38.2720, 55.8583, 75.7833**, and if you desaturate by 10%, it is **39.7452, 56.6177, 75.8525**.

Distribution



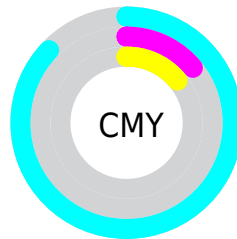
- Red (13%)
- Green (86%)
- Blue (86%)



- Red (13%)
- Yellow (50%)
- Blue (86%)



- Cyan (84%)
- Magenta (0%)
- Yellow (0%)
- Black (14%)



- Cyan (87%)
- Magenta (14%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7774, 56.1176, 75.8058 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 38.7774, 56.1176, 75.8058 by changing the saturation by 10% instead.

38.7774, 56.1176,
75.8058

38.7774, 56.1176,
75.8058

332.1666,
410.1345, 500.0118

26.7665, 40.2972,
55.7676

72.5944, 99.1765,
129.2099

17.5337, 27.7704,
39.6139

95.1312, 127.1838,
163.4129

10.7134, 18.1526,
26.9261

121.9075,
160.0222, 203.1746

5.9403, 11.0596,
17.2858

153.2884,
198.0761, 248.9134

2.8491, 6.1069,
10.2744

189.6394,
241.7299, 301.0480

1.0745, 2.9102,
5.4733

231.3259,

0.0036, 1.0850,

291.3680, 359.9969

2.4640

278.7132,
347.3747, 426.1787

■ 0.0000, 0.0000,
0.8210

■ 0.0000, 0.0000,
0.0000

■ 38.7774, 56.1176,
75.8058

■ 38.7774, 56.1176,
75.8058

■ 38.2720, 55.8583,
75.7833

■ 39.7452, 56.6177,
75.8525

■ 38.1187, 55.7792,
75.7760

■ 41.2461, 57.3914,
75.9229

■ 43.3436, 58.4728,
76.0212

■ 46.0915, 59.8893,
76.1499

■ 49.5372, 61.6657,
76.3113

■ 53.7240, 63.8241,
76.5074

■ 58.6916, 66.3849,
76.7400

■ 64.4767, 69.3673,
77.0109

■ 71.1139, 72.7889,
77.3217

Harmonies

Analogous

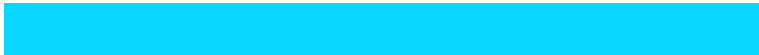
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.5970, 56.1176, 50.5102



38.7774, 56.1176, 75.8058



42.5705, 56.1176, 103.1129

Triad

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



38.7774, 56.1176, 75.8058



66.4883, 56.1176, 100.6539



57.3713, 56.1176, 25.2106

Complementary

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



38.7774, 56.1176, 75.8058



30.0761, 16.3214, 3.0802

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.



65.7836, 56.1176, 32.4051



38.7774, 56.1176, 75.8058



71.4229, 56.1176, 73.0810

Square

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



38.7774, 56.1176, 75.8058



58.2514, 56.1176, 119.9284



71.1517, 56.1176, 48.4351



48.7092, 56.1176, 25.5671

Rectangle

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



38.7774, 56.1176, 75.8058



46.9001, 56.1176, 116.7760



71.1517, 56.1176, 48.4351



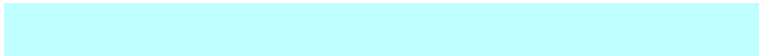
60.3399, 56.1176, 26.7189

Sweetspot

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



38.7791, 56.1197, 75.8072



75.3587, 89.8488, 107.9780



26.3881, 51.1756, 10.0020



15.6614, 18.9898, 23.0898



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.



38.7791, 56.1197, 75.8072



53.8096, 78.7398, 106.9680



21.3759, 21.3128, 70.0072



13.4449, 14.8296, 16.8059



22.6018, 33.0734, 44.9301



1.4643, 2.1427, 2.9108

Inverse Universe

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



30.0761, 16.3214, 3.0802



41.2400, 21.2600, 1.9301



36.6397, 29.4488, 5.2680



13.0561, 13.0515, 13.5567



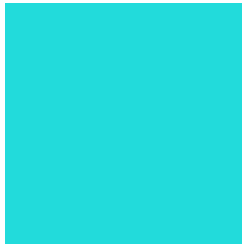
17.3222, 8.9299, 0.8107



1.1222, 0.5785, 0.0525

Previews

White Background



This preview shows how the XYZ color 38.7774, 56.1176, 75.8058 looks on a white background.

Color Contrast Check

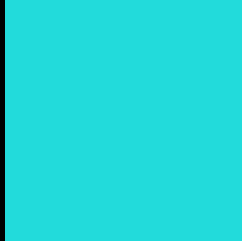
Large Text (above 18pt) WCAG AA × Fail

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 38.7774, 56.1176, 75.8058 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

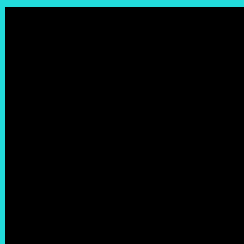
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

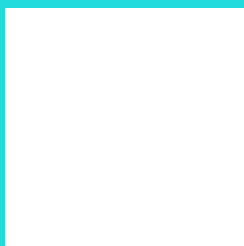
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.7774, 56.1176, 75.8058

Background



This preview shows how black text looks on a background with the XYZ color 38.7774, 56.1176, 75.8058.

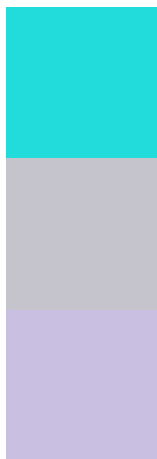


This preview shows how white text looks on a background with the XYZ color 38.7774, 56.1176,

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

38.7774, 56.1176, 75.8058

Protanopia

53.4401, 55.2602, 64.9764

Deuteranopia

56.3088, 55.1154, 78.9047



Tritanopia

41.0294, 56.2700, 86.5406

Trichromacy



Original Color

38.7774, 56.1176, 75.8058



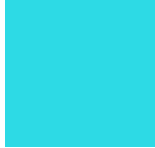
Protanomaly

43.5827, 53.1925, 68.2917



Deuteranomaly

45.0211, 52.6765, 77.6067



Tritanomaly

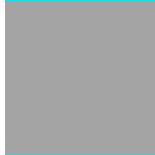
40.2964, 56.3578, 82.8830

Monochromacy



Original Color

38.7774, 56.1176, 75.8058



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

33.1283, 41.5236, 51.6162

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7774, 56.1176, 75.8058 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(34, 219, 219)` looks like.

```
.text, #text, p{  
    color:rgb(34, 219, 219)  
}
```

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(34, 219, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 219, 219) }
```

Border

The CSS property to change the border of an element to XYZ 38.7774, 56.1176, 75.8058 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(34, 219, 219) }
```


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

```
.border{ border-color:rgb(34, 219, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 219, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 219, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 219, 219);  
box-shadow:4px 4px 4px 4px rgb(34, 219,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7774, 56.1176, 75.8058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 219, 219) }
```

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

```
.background{ background-color: rgb(34, 219,  
219) }
```

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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