

Converting Colors

XYZ(38.2331, 55.9490, 75.9961)

Have a look what the booklet for
XYZ(38.2331, 55.9490, 75.9961)
contains.

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Color

**XYZ(38.1177, 55.7775,
75.7750)**

Conversions

Conversions Part 1	
Format	Color
Hex	00DBDB
RGB	0, 219, 219
RGB Percent	0%, 86%, 86%
CMY	0.9998, 0.1412, 0.1412
CMYK	1.00, 0.00, 0.00, 0.14
HSL	180°, 100%, 43%
HSV	180°, 100%, 86%
XYZ	38.1177, 55.7775, 75.7750
YIQ	153.5190, -130.5240, -46.4280

Conversions

Conversions Part 2

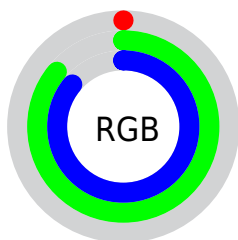
Format	Color
RYB	0, 110, 219
Decimal	56283
CIELab	79.49, -42.86, -12.60
CIELCh	79, 44.674, 196.386
Yxy	55.7775, 0.2247, 0.3287
Android (android.graphics.Color)	4278246363 (0xFF00DBDB)
YUV	153.5190, 32.2821, -134.6362
Hunter-Lab	74.6843, -39.5940, -7.8768

Details

The XYZ color **38.1177, 55.7775, 75.7750** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **29.2152, 15.0618, 1.3690**, and the grayscale version is **30.4165, 32.0005, 34.8485**.

A 20% lighter version of the original color is **60.3655, 82.1195, 107.2768**, and **19.7980, 28.8747, 39.6519** is the 20% darker color. If you saturate the color by 10%, you get **38.1187, 55.7792, 75.7763**, and if you desaturate by 10%, it is **38.4486, 55.9493, 75.7919**.

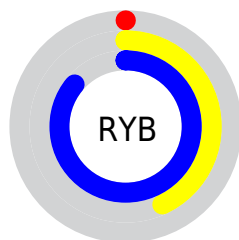
Distribution



Red (0%)

Green (86%)

Blue (86%)



Red (0%)

Yellow (43%)

Blue (86%)

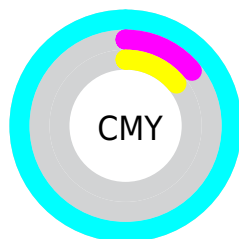


Cyan (100%)

Magenta (0%)

Yellow (0%)

Black (14%)



Cyan (100%)


Magenta (14%)


Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.1177, 55.7775, 75.7750 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 38.1177, 55.7775, 75.7750 by changing the saturation by 10% instead.


 38.1177, 55.7775,
75.7750


 38.1177, 55.7775,
75.7750


329.3967,
408.8524, 499.9034


 26.2517, 40.0246,
55.7425


 71.5912, 98.6792,
129.1660


 17.1457, 27.5577,
39.5939


 93.9295, 126.5967,
163.3615

 10.4344, 17.9925,
26.9107


 120.4892,
159.3379, 203.1151

 5.7524, 10.9446,
17.2743

 151.6356,
197.2871, 248.8454

 2.7343, 6.0296,
10.2662

 187.7343,
240.8288, 300.9708

 1.0149, 2.8631,
5.4679


229.1504,


 0.0000, 1.0607,


290.3473, 359.9099


2.4608


276.2495,
346.2271, 426.0813

 0.0000, 0.0000,
0.8193


 0.0000, 0.0000,
0.0000


 38.1177, 55.7775,
75.7750


 38.1177, 55.7775,
75.7750


 38.1187, 55.7792,
75.7763


 38.4486, 55.9493,
75.7919


 39.1512, 56.3115,
75.8248


 40.3491, 56.9290,
75.8810


 42.1107, 57.8372,
75.9636

 44.4940, 59.0658,
76.0752

 47.5496, 60.6410,
76.2183

 51.3230, 62.5863,
76.3950

 55.8557, 64.9229,
76.6072

 61.1859, 67.6708,
76.8568

Harmonies

Analogous

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



37.9444, 55.7775, 49.8227



38.1177, 55.7775, 75.7750



41.9762, 55.7775, 104.0205

Triad

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



38.1177, 55.7775, 75.7750



66.5214, 55.7775, 101.6175



57.1828, 55.7775, 24.2395

Complementary

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



38.1177, 55.7775, 75.7750



29.2152, 15.0618, 1.3690

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.



65.8366, 55.7775, 31.5090



38.1177, 55.7775, 75.7750



71.6252, 55.7775, 73.1282

Square

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



38.1177, 55.7775, 75.7750



58.0357, 55.7775, 121.5842



71.3613, 55.7775, 47.8249



48.2923, 55.7775, 24.5768

Rectangle

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



38.1177, 55.7775, 75.7750



46.3961, 55.7775, 118.2296



71.3613, 55.7775, 47.8249



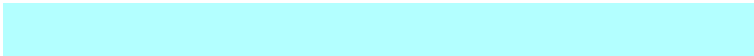
60.2349, 55.7775, 25.7615

Sweetspot

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



38.1194, 55.7796, 75.7763



72.2850, 88.2642, 107.8342



25.3790, 50.6887, 8.4478



14.9625, 18.6295, 23.0571



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.



38.1194, 55.7796, 75.7763



53.8097, 78.7399, 106.9685



18.7122, 16.9649, 69.3083



13.4449, 14.8296, 16.8059



22.6019, 33.0734, 44.9303



1.4643, 2.1427, 2.9108

Inverse Universe

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



29.2152, 15.0618, 1.3690



41.2400, 21.2600, 1.9301



34.3563, 25.3439, 3.0826



13.0561, 13.0515, 13.5567



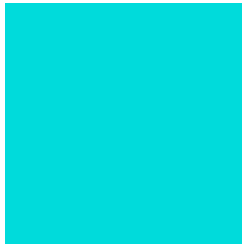
17.3222, 8.9299, 0.8107



1.1222, 0.5785, 0.0525

Previews

White Background



This preview shows how the XYZ color 38.1177, 55.7775, 75.7750 looks on a white background.

Color Contrast Check

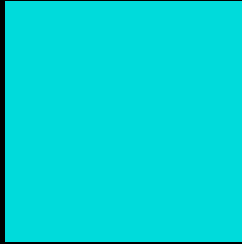
Large Text (above 18pt) WCAG AA × Fail

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 38.1177, 55.7775, 75.7750 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

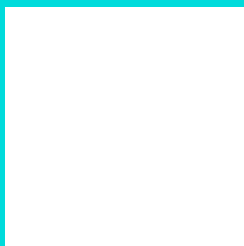
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.1177, 55.7775, 75.7750

Background



This preview shows how black text looks on a background with the XYZ color 38.1177, 55.7775, 75.7750.

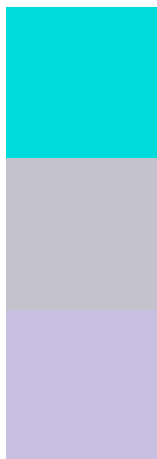


This preview shows how white text looks on a background with the XYZ color 38.1177, 55.7775,

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

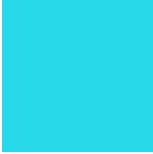
38.1177, 55.7775, 75.7750

Protanopia

52.9558, 54.6790, 64.8898

Deuteranopia

56.0408, 54.9772, 78.8922



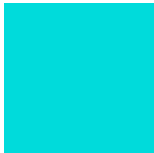
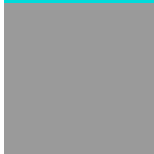
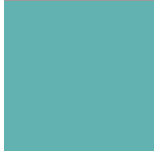
Tritanopia

40.5392, 56.0173, 86.5177

Trichromacy

	Original Color 38.1177, 55.7775, 75.7750
	Protanomaly 41.3220, 51.6753, 68.1180
	Deuteranomaly 42.9583, 51.6130, 77.5102
	Tritanomaly 39.6152, 56.0066, 82.8512

Monochromacy

	Original Color 38.1177, 55.7775, 75.7750
	Achromatopsia 30.7148, 32.3143, 35.1903
	Achromatomaly 28.9933, 37.6518, 47.8589

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1177, 55.7775, 75.7750 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(0, 219, 219)` looks like.

```
.text, #text, p{  
    color:rgb(0, 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(0, 219, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 219, 219) }
```

Border

The CSS property to change the border of an element to XYZ 38.1177, 55.7775, 75.7750 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(0, 219, 219) }
```


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

```
.border{ border-color:rgb(0, 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(0, 219, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 219, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 219, 219);  
box-shadow:4px 4px 4px 4px rgb(0, 219,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1177, 55.7775, 75.7750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 219, 219) }
```

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

```
.background{ background-color: rgb(0, 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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