

Converting Colors

XYZ(38.6790, 55.1929, 77.3539)

Have a look what the booklet for
XYZ(38.6790, 55.1929, 77.3539)
contains.

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Color

**XYZ(38.6633, 55.2582,
77.0347)**

Conversions

Conversions Part 1

Format	Color
Hex	26D9DD
RGB	38, 217, 221
RGB Percent	15%, 85%, 87%
CMY	0.8509, 0.1490, 0.1333
CMYK	0.83, 0.02, 0.00, 0.13
HSL	181°, 73%, 51%
HSV	181°, 83%, 87%
XYZ	38.6633, 55.2582, 77.0347
YIQ	163.9350, -107.9680, -36.7040

Conversions

Conversions Part 2

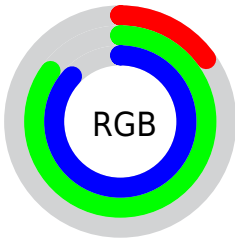
Format	Color
RYB	38, 128, 221
Decimal	2546141
CIELab	79.19, -39.83, -14.09
CIELCh	79, 42.247, 199.486
Yxy	55.2582, 0.2262, 0.3232
Android (android.graphics.Color)	4280736221 (0xFF26D9DD)
YUV	163.9350, 28.1330, -110.4450
Hunter-Lab	74.3359, -37.2470, -9.4075

Details

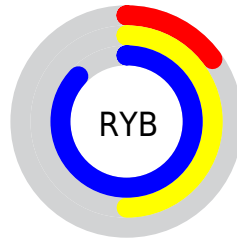
The XYZ color **38.6633, 55.2582, 77.0347** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **30.9979, 17.1695, 3.5156**, and the grayscale version is **35.1661, 36.9975, 40.2903**.

A 20% lighter version of the original color is **61.5557, 82.7331, 107.3325**, and **19.6278, 28.2429, 40.4933** is the 20% darker color. If you saturate the color by 10%, you get **37.9530, 54.7087, 76.9671**, and if you desaturate by 10%, it is **39.8603, 56.0615, 77.1277**.

Distribution



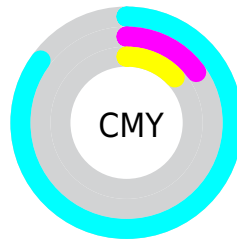
- Red (15%)
- Green (85%)
- Blue (87%)



- Red (15%)
- Yellow (50%)
- Blue (87%)



- Cyan (83%)
- Magenta (2%)
- Yellow (0%)
- Black (13%)





- Cyan (85%)
- Magenta (15%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.6633, 55.2582, 77.0347 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 38.6633, 55.2582, 77.0347 by changing the saturation by 10% instead.


 38.6633, 55.2582,
77.0347


 38.6633, 55.2582,
77.0347


331.6887,
406.8899, 504.3231


 26.6774, 39.6085,
56.7696


 72.4210, 97.9192,
130.9619


 17.4665, 27.2334,
40.4122


 94.9236, 125.6992,
165.4611


 10.6650, 17.7486,
27.5438


 121.6625,
158.2914, 205.5422

 5.9077, 10.7696,
17.7460

 153.0030,
196.0803, 251.6235

 2.8291, 5.9122,
10.6003

 189.3106,
239.4502, 304.1238

 1.0641, 2.7917,
5.6880

230.9505,

 0.0000, 1.0240,

288.7855, 363.4614

2.5906

278.2881,
344.4706, 430.0550

■ 0.0000, 0.0000,
0.8876

■ 0.0000, 0.0000,
0.0000

■ 38.6633, 55.2582,
77.0347

■ 38.6633, 55.2582,
77.0347

■ 37.9530, 54.7087,
76.9671

■ 39.8603, 56.0615,
77.1277

■ 37.6514, 54.4206,
76.9274

■ 41.6134, 57.1509,
77.2456

■ 43.9861, 58.5602,
77.3925

■ 47.0319, 60.3170,
77.5711

■ 50.7988, 62.4462,
77.7835

■ 55.3302, 64.9700,
78.0318

■ 60.6661, 67.9090,
78.3179

■ 66.8439, 71.2826,
78.6435

■ 73.8983, 75.1088,
79.0102

Harmonies

Analogous

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



38.1303, 55.2582, 52.0801



38.6633, 55.2582, 77.0347



42.6710, 55.2582, 102.8543

Triad

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



38.6633, 55.2582, 77.0347



65.8460, 55.2582, 95.6804



55.5378, 55.2582, 25.0700

Complementary

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



38.6633, 55.2582, 77.0347



30.9979, 17.1695, 3.5156

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.



63.7816, 55.2582, 31.3049



38.6633, 55.2582, 77.0347



70.1420, 55.2582, 69.0500

Square

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



38.6633, 55.2582, 77.0347



58.1211, 55.2582, 115.4587



69.3485, 55.2582, 45.9606



47.2932, 55.2582, 26.1341

Rectangle

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



38.6633, 55.2582, 77.0347



47.0385, 55.2582, 115.0187



69.3485, 55.2582, 45.9606



58.4144, 55.2582, 26.2981

Sweetspot

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



38.6650, 55.2603, 77.0360



74.9160, 88.9632, 107.8309



27.0583, 52.2866, 10.7703



15.5534, 18.7738, 23.0539



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.



38.6650, 55.2603, 77.0360



52.1073, 75.2873, 106.3933



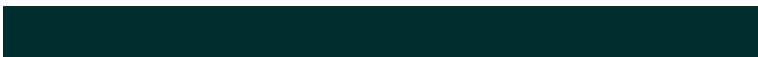
21.3712, 20.6726, 71.2714



13.4192, 14.7782, 16.7973



21.8835, 31.6365, 44.6915



1.4256, 2.0654, 2.8980

Inverse Universe

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



43.0377, 21.7697, 67.5814



58.4421, 28.1851, 92.3787



38.4967, 32.1672, 6.0152



13.6015, 13.2697, 16.4285



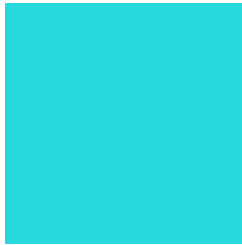
24.5411, 11.8175, 38.8251



1.5939, 0.7672, 2.5363

Previews

White Background



This preview shows how the XYZ color 38.6633, 55.2582, 77.0347 looks on a white background.

Color Contrast Check

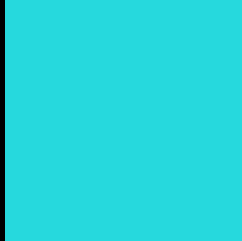
Large Text (above 18pt) WCAG AA × Fail

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 38.6633, 55.2582, 77.0347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

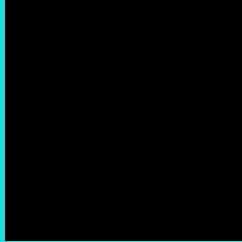
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

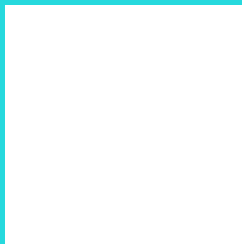
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.6633, 55.2582, 77.0347

Background



This preview shows how black text looks on a background with the XYZ color 38.6633, 55.2582, 77.0347.

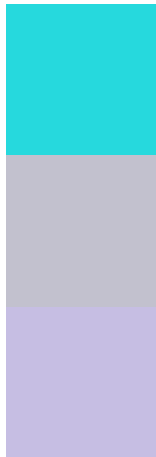


This preview shows how white text looks on a background with the XYZ color 38.6633, 55.2582,

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

38.6633, 55.2582, 77.0347

Protanopia

52.4587, 54.0655, 66.0633

Deuteranopia

55.5673, 54.3787, 80.2405



Tritanopia

40.3238, 55.1622, 85.6129

Trichromacy



Original Color

38.6633, 55.2582, 77.0347



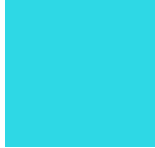
Protanomaly

43.1949, 52.2626, 69.4391



Deuteranomaly

45.0601, 52.3202, 78.9581



Tritanomaly

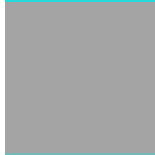
39.8254, 55.3497, 82.7133

Monochromacy



Original Color

38.6633, 55.2582, 77.0347



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

33.1617, 41.2213, 52.1076

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6633, 55.2582, 77.0347 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(38, 217, 221)` looks like.

```
.text, #text, p{  
    color:rgb(38, 217, 221)  
}
```

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(38, 217, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 217, 221) }
```

Border

The CSS property to change the border of an element to XYZ 38.6633, 55.2582, 77.0347 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(38, 217, 221) }
```


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

```
.border{ border-color:rgb(38, 217, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 217, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 217, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 217, 221);  
box-shadow:4px 4px 4px 4px rgb(38, 217,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6633, 55.2582, 77.0347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 217, 221) }
```

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

```
.background{ background-color: rgb(38, 217,  
221) }
```

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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