

Converting Colors

XYZ(38.7822, 55.7033, 77.1144)

Have a look what the booklet for
XYZ(38.7822, 55.7033, 77.1144)
contains.

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Color

**XYZ(38.7822, 55.7033,
77.1144)**

Conversions

Conversions Part 1

Format	Color
Hex	22DADD
RGB	34, 218, 221
RGB Percent	13%, 85%, 87%
CMY	0.8666, 0.1451, 0.1333
CMYK	0.85, 0.01, 0.00, 0.13
HSL	181°, 73%, 50%
HSV	181°, 85%, 87%
XYZ	38.7822, 55.7033, 77.1144
YIQ	163.3260, -110.6270, -38.0750

Conversions

Conversions Part 2

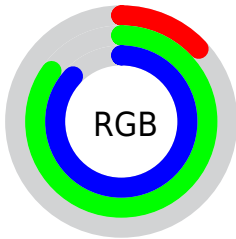
Format	Color
RYB	34, 127, 221
Decimal	2284253
CIELab	79.44, -40.55, -13.71
CIELCh	79, 42.803, 198.687
Yxy	55.7033, 0.2260, 0.3246
Android (android.graphics.Color)	4280474333 (0xFF22DADD)
YUV	163.3260, 28.4333, -113.4189
Hunter-Lab	74.6346, -37.8571, -9.0157

Details

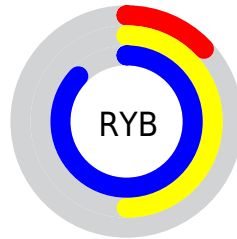
The XYZ color **38.7822, 55.7033, 77.1144** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **30.7704, 16.8123, 3.1382**, and the grayscale version is **34.8775, 36.6938, 39.9596**.

A 20% lighter version of the original color is **61.4177, 82.6619, 107.3260**, and **19.8033, 28.5938, 40.5518** is the 20% darker color. If you saturate the color by 10%, you get **38.1822, 55.2589, 77.0613**, and if you desaturate by 10%, it is **39.8532, 56.3932, 77.1921**.

Distribution



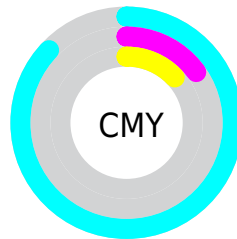
- Red (13%)
- Green (85%)
- Blue (87%)



- Red (13%)
- Yellow (50%)
- Blue (87%)



- Cyan (85%)
- Magenta (1%)
- Yellow (0%)
- Black (13%)





- Cyan (87%)
- Magenta (15%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.7822, 55.7033, 77.1144 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 38.7822, 55.7033, 77.1144 by changing the saturation by 10% instead.


 38.7822, 55.7033,
77.1144

 38.7822, 55.7033,
77.1144


332.1867,
408.5724, 504.6020


 26.7703, 39.9651,
56.8346


 72.6017, 98.5706,
131.0754

 17.5365, 27.5113,
40.4640

 95.1400, 126.4686,
165.5938


 10.7154, 17.9576,
27.5840


 121.9178,
159.1885, 205.6955

 5.9417, 10.9196,
17.7760

 153.3004,
197.1149, 251.7990

 2.8500, 6.0128,
10.6215

 189.6533,
240.6320, 304.3228

 1.0749, 2.8528,
5.7020

231.3417,

 0.0040, 1.0554,

290.1244, 363.6856

2.5989

278.7311,
345.9764, 430.3058

■ 0.0000, 0.0000,
0.8919

■ 0.0000, 0.0000,
0.0000

■ 38.7822, 55.7033,
77.1144

■ 38.7822, 55.7033,
77.1144

■ 38.1822, 55.2589,
77.0613


■ 39.8532, 56.3932,
77.1921


■ 37.9823, 55.0825,
77.0378


■ 41.4677, 57.3624,
77.2941


■ 43.6912, 58.6458,
77.4247


■ 46.5785, 60.2717,
77.5863

 50.1784, 62.2653,
77.7814

 54.5349, 64.6492,
78.0119

 59.6889, 67.4445,
78.2798

 65.6779, 70.6706,
78.5868

 72.5374, 74.3457,
78.9347

Harmonies

Analogous

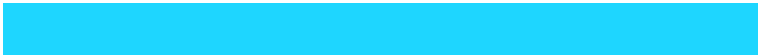
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.3369, 55.7033, 51.8332



38.7822, 55.7033, 77.1144



42.7669, 55.7033, 103.5978

Triad

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



38.7822, 55.7033, 77.1144



66.3522, 55.7033, 97.5678



56.2526, 55.7033, 25.0734

Complementary

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



38.7822, 55.7033, 77.1144



30.7704, 16.8123, 3.1382

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.



64.6204, 55.7033, 31.5955



38.7822, 55.7033, 77.1144



70.8582, 55.7033, 70.4170

Square

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



38.7822, 55.7033, 77.1144



58.4176, 55.7033, 117.4380



70.1921, 55.7033, 46.7160



47.8240, 55.7033, 25.9580

Rectangle

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



38.7822, 55.7033, 77.1144



47.1623, 55.7033, 116.2897



70.1921, 55.7033, 46.7160



59.1806, 55.7033, 26.3815

Sweetspot

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



38.7839, 55.7054, 77.1157



75.0335, 89.1983, 107.8700



26.8062, 52.1697, 10.1718



15.5820, 18.8311, 23.0635



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.



38.7839, 55.7054, 77.1157



52.5193, 76.1587, 106.5398



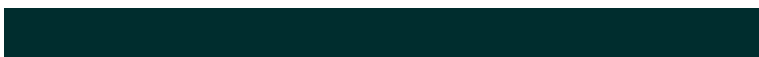
21.3672, 20.8720, 71.3102



13.4260, 14.7918, 16.7996



22.0727, 32.0149, 44.7545



1.4358, 2.0858, 2.9014

Inverse Universe

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



43.0471, 21.5797, 68.2282



58.6385, 28.2194, 93.5494



37.7638, 30.7990, 5.4693



13.6049, 13.2711, 16.4467



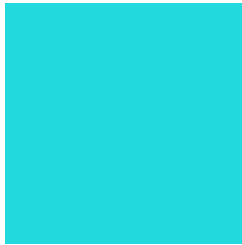
24.6366, 11.8557, 39.3280



1.5990, 0.7692, 2.5634

Previews

White Background



This preview shows how the XYZ color 38.7822, 55.7033, 77.1144 looks on a white background.

Color Contrast Check

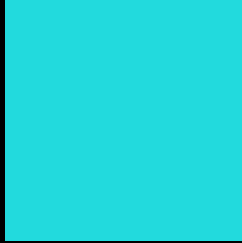
Large Text (above 18pt) WCAG AA × Fail

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 38.7822, 55.7033, 77.1144 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

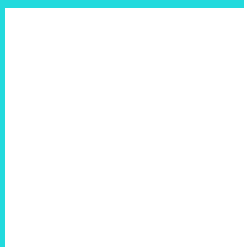
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.7822, 55.7033, 77.1144

Background



This preview shows how black text looks on a background with the XYZ color 38.7822, 55.7033, 77.1144.



This preview shows how white text looks on a background with the XYZ color 38.7822, 55.7033,

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

38.7822, 55.7033, 77.1144

Protanopia

52.9380, 54.6419, 66.1493

Deuteranopia

55.8318, 54.5151, 80.2529



Tritanopia

40.6261, 55.6806, 86.4481

Trichromacy



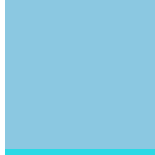
Original Color

38.7822, 55.7033, 77.1144



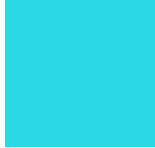
Protanomaly

43.2672, 52.6493, 69.5099



Deuteranomaly

44.8923, 52.2338, 78.9502



Tritanomaly

39.9520, 55.7964, 82.7928

Monochromacy



Original Color

38.7822, 55.7033, 77.1144



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

32.7877, 41.0407, 51.5409

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7822, 55.7033, 77.1144 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, 218, 221)` looks like.

```
.text, #text, p{  
    color:rgb(34, 218, 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(34, 218, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 218, 221) }
```

Border

The CSS property to change the border of an element to XYZ 38.7822, 55.7033, 77.1144 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, 218, 221) }
```


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

```
.border{ border-color:rgb(34, 218, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 218, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 218, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 218, 221);  
box-shadow:4px 4px 4px 4px rgb(34, 218,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7822, 55.7033, 77.1144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 218, 221) }
```

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

```
.background{ background-color: rgb(34, 218,  
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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