

Converting Colors

XYZ(38.8899, 55.2336, 80.5455)

Have a look what the booklet for
XYZ(38.8899, 55.2336, 80.5455)
contains.

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Color

**XYZ(38.9412, 55.3234,
80.5776)**

Conversions

Conversions Part 1

Format	Color
Hex	19D9E2
RGB	25, 217, 226
RGB Percent	10%, 85%, 89%
CMY	0.9019, 0.1490, 0.1137
CMYK	0.89, 0.04, 0.00, 0.11
HSL	183°, 80%, 49%
HSV	183°, 89%, 89%
XYZ	38.9412, 55.3234, 80.5776
YIQ	160.6180, -117.3210, -37.9050

Conversions

Conversions Part 2

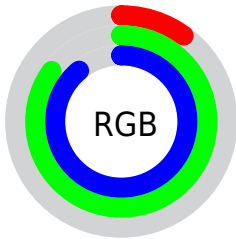
Format	Color
R _Y B	25, 123, 226
Decimal	1694178
CIE Lab	79.23, -39.10, -16.72
CIE LCh	79, 42.528, 203.150
Yxy	55.3234, 0.2227, 0.3164
Android (android.graphics.Color)	4279884258 (0xFF19D9E2)
YUV	160.6180, 32.2333, -118.9370
Hunter-Lab	74.3797, -36.7115, -12.1647

Details

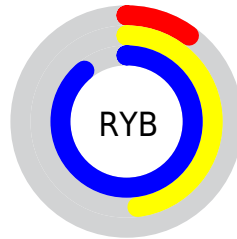
The XYZ color **38.9412, 55.3234, 80.5776** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **32.1130, 17.3848, 2.5843**, and the grayscale version is **33.5978, 35.3475, 38.4935**.

A 20% lighter version of the original color is **61.0125, 82.4530, 107.3071**, and **20.0956, 28.4300, 42.9565** is the 20% darker color. If you saturate the color by 10%, you get **38.3117, 54.6140, 80.4749**, and if you desaturate by 10%, it is **40.0044, 56.2610, 80.7036**.

Distribution



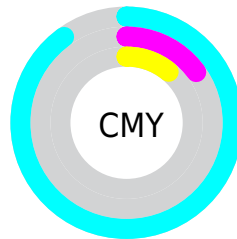
- Red (10%)
- Green (85%)
- Blue (89%)



- Red (10%)
- Yellow (48%)
- Blue (89%)



- Cyan (89%)
- Magenta (4%)
- Yellow (0%)
- Black (11%)



- Cyan (90%)
- Magenta (15%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9412, 55.3234, 80.5776 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 38.9412, 55.3234, 80.5776 by changing the saturation by 10% instead.

38.9412, 55.3234,
80.5776

38.9412, 55.3234,
80.5776

332.8519,
407.1367, 516.6353

26.8945, 39.6607,
59.6648

72.8431, 98.0146,
135.9962

17.6302, 27.2741,
42.7250

95.4291, 125.8119,
171.3392

10.7829, 17.7792,
29.3396

122.2588,
158.4229, 212.3292

5.9872, 10.7916,
19.0901

153.6977,
196.2320, 259.3849

2.8779, 5.9269,
11.5579

190.1111,
239.6235, 312.9248

1.0895, 2.8007,
6.3246

231.8644,

0.0163, 1.0286,

288.9818, 373.3675

2.9715

279.3229,
344.6914, 441.1315

■ 0.0000, 0.0000,
1.0801

■ 0.0000, 0.0000,
0.0000

■ 38.9412, 55.3234,
80.5776

■ 38.9412, 55.3234,
80.5776

■ 38.3117, 54.6140,
80.4749

■ 40.0044, 56.2610,
80.7036

■ 38.2535, 54.5427,
80.4642

■ 41.6084, 57.4787,
80.8541

■ 43.8278, 59.0160,
81.0338

■ 46.7241, 60.9046,
81.2457

■ 50.3514, 63.1725,
81.4923

■ 54.7583, 65.8447,
81.7758

■ 59.9892, 68.9441,
82.0983

■ 66.0853, 72.4919,
82.4618

■ 73.0849, 76.5078,
82.8681

Harmonies

Analogous

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



37.9677, 55.3234, 54.8254



38.9412, 55.3234, 80.5776



43.3776, 55.3234, 105.9946

Triad

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



38.9412, 55.3234, 80.5776



66.7764, 55.3234, 92.8968



54.5569, 55.3234, 24.6906

Complementary

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



38.9412, 55.3234, 80.5776



32.1130, 17.3848, 2.5843

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.



63.0070, 55.3234, 30.0084



38.9412, 55.3234, 80.5776



70.5374, 55.3234, 65.9951

Square

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



38.9412, 55.3234, 80.5776



59.2741, 55.3234, 114.3420



69.0886, 55.3234, 43.6458



46.4159, 55.3234, 26.6348

Rectangle

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



38.9412, 55.3234, 80.5776



47.9864, 55.3234, 117.0605



69.0886, 55.3234, 43.6458



57.4647, 55.3234, 25.6267

Sweetspot

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



38.9429, 55.3254, 80.5789



73.1206, 87.2468, 107.5942



27.8553, 54.7033, 10.4377



15.1851, 18.3955, 23.0003



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.



38.9429, 55.3254, 80.5789



50.2753, 71.6706, 105.7918



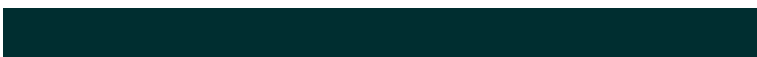
20.7041, 18.8478, 74.4993



14.0612, 15.4616, 17.6310



21.8475, 31.1645, 45.9122



1.5308, 2.1931, 3.1879

Inverse Universe

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



44.2375, 21.8753, 67.5386



57.5058, 27.7663, 87.5848



39.8205, 32.7997, 5.1534



14.2671, 13.9245, 17.1769



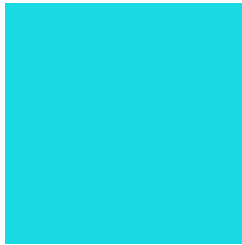
24.9678, 12.0541, 38.0918



1.7390, 0.8389, 2.6841

Previews

White Background



This preview shows how the XYZ color 38.9412, 55.3234, 80.5776 looks on a white background.

Color Contrast Check

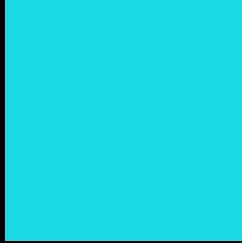
Large Text (above 18pt) WCAG AA × Fail

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 38.9412, 55.3234, 80.5776 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

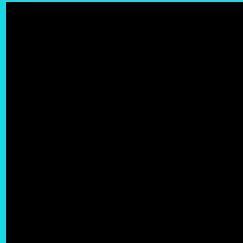
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

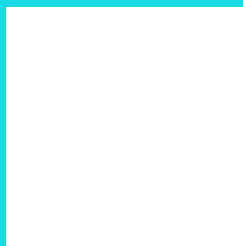
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.9412, 55.3234, 80.5776

Background



This preview shows how black text looks on a background with the XYZ color 38.9412, 55.3234, 80.5776.

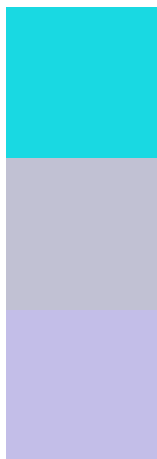


This preview shows how white text looks on a background with the XYZ color 38.9412, 55.3234,

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

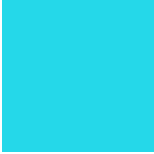
38.9412, 55.3234, 80.5776

Protanopia

52.8202, 54.1805, 69.3020

Deuteranopia

55.4846, 54.2552, 83.8919



Tritanopia

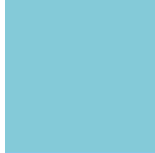
40.0268, 55.3882, 85.6722

Trichromacy



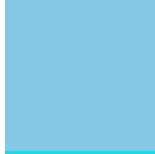
Original Color

38.9412, 55.3234, 80.5776



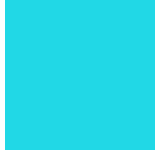
Protanomaly

43.0309, 52.1045, 72.7549



Deuteranomaly

44.6101, 52.0083, 82.5503



Tritanomaly

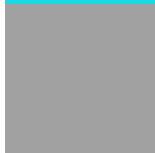
39.4660, 55.1482, 83.4275

Monochromacy



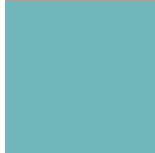
Original Color

38.9412, 55.3234, 80.5776



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

31.9629, 39.9953, 51.9342

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9412, 55.3234, 80.5776 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(25, 217, 226)` looks like.

```
.text, #text, p{  
    color:rgb(25, 217, 226)  
}
```

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(25, 217, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 217, 226) }
```

Border

The CSS property to change the border of an element to XYZ 38.9412, 55.3234, 80.5776 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(25, 217, 226) }
```


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

```
.border{ border-color:rgb(25, 217, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 217, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 217, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 217, 226);  
box-shadow:4px 4px 4px 4px rgb(25, 217,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9412, 55.3234, 80.5776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 217, 226) }
```

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

```
.background{ background-color: rgb(25, 217,  
226) }
```

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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