

Converting Colors

XYZ(38.2473, 53.8710, 73.5956)

Have a look what the booklet for
XYZ(38.2473, 53.8710, 73.5956)
contains.

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Color

**XYZ(38.2449, 53.9808,
73.3694)**

Conversions

Conversions Part 1

Format	Color
Hex	3BD6D8
RGB	59, 214, 216
RGB Percent	23%, 84%, 85%
CMY	0.7686, 0.1608, 0.1529
CMYK	0.73, 0.01, 0.00, 0.15
HSL	181°, 67%, 54%
HSV	181°, 73%, 85%
XYZ	38.2449, 53.9808, 73.3694
YIQ	167.8830, -93.0220, -32.2380

Conversions

Conversions Part 2

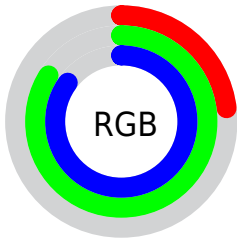
Format	Color
RYB	59, 137, 216
Decimal	3921624
CIELab	78.45, -37.98, -12.49
CIELCh	78, 39.985, 198.209
Yxy	53.9808, 0.2310, 0.3260
Android (android.graphics.Color)	4282111704 (0xFF3BD6D8)
YUV	167.8830, 23.7217, -95.4904
Hunter-Lab	73.4716, -35.6590, -7.7774

Details

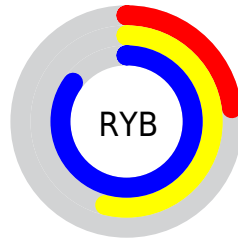
The XYZ color **38.2449, 53.9808, 73.3694** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **30.7783, 18.2536, 6.0403**, and the grayscale version is **37.0844, 39.0157, 42.4880**.

A 20% lighter version of the original color is **63.0159, 83.4858, 107.4008**, and **18.8312, 27.3695, 38.0085** is the 20% darker color. If you saturate the color by 10%, you get **37.1505, 53.3146, 73.2995**, and if you desaturate by 10%, it is **39.8720, 54.9242, 73.4667**.

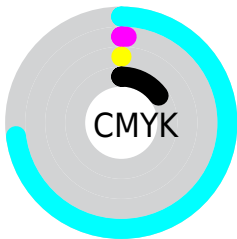
Distribution



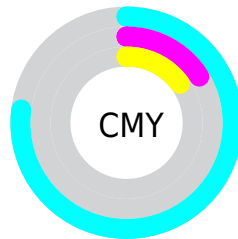
- Red (23%)
- Green (84%)
- Blue (85%)



- Red (23%)
- Yellow (54%)
- Blue (85%)



- Cyan (73%)
- Magenta (1%)
- Yellow (0%)
- Black (15%)




- Cyan (77%)
- Magenta (16%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.2449, 53.9808, 73.3694 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 38.2449, 53.9808, 73.3694 by changing the saturation by 10% instead.


 38.2449, 53.9808,
73.3694


 38.2449, 53.9808,
73.3694


329.9321,
402.0368, 491.3992


 26.3509, 38.5863,
53.7844


 71.7848, 96.0461,
125.7273


 17.2204, 26.4381,
38.0373


 94.1615, 123.4856,
159.3372

 10.4880, 17.1516,
25.7096


 120.7630,
155.7090, 198.4592

 5.7884, 10.3427,
16.3827

 151.9549,
193.1005, 243.5118

 2.7563, 5.6267,
9.6381

188.1023,
236.0447, 294.9136

 1.0262, 2.6195,
5.0572

229.5708,

 0.0000, 0.9365,

284.9259, 353.0830

2.2215

276.7256,
340.1284, 418.4387

■ 0.0000, 0.0000,
0.6868

■ 0.0000, 0.0000,
0.0000

■ 38.2449, 53.9808,
73.3694

■ 38.2449, 53.9808,
73.3694

■ 37.1505, 53.3146,
73.2995

■ 39.8720, 54.9242,
73.4667


■ 36.5138, 52.8833,
73.2498


■ 42.0852, 56.1687,
73.5903


■ 36.2525, 52.6733,
73.2230


■ 44.9366, 57.7424,
73.7438


■ 48.4713, 59.6685,
73.9292

 52.7306, 61.9683,
74.1487

 57.7521, 64.6613,
74.4038

 63.5711, 67.7656,
74.6963

 70.2207, 71.2981,
75.0277

 77.7318, 75.2751,
75.3994

Harmonies

Analogous

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



37.8859, 53.9808, 50.3653



38.2449, 53.9808, 73.3694



41.8777, 53.9808, 97.3258

Triad

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



38.2449, 53.9808, 73.3694



63.4238, 53.9808, 92.6071



54.4587, 53.9808, 25.7650

Complementary

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



38.2449, 53.9808, 73.3694



30.7783, 18.2536, 6.0403

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.



62.0554, 53.9808, 32.0448



38.2449, 53.9808, 73.3694



67.5738, 53.9808, 68.0743

Square

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



38.2449, 53.9808, 73.3694



56.1775, 53.9808, 110.2411



67.0489, 53.9808, 46.2585



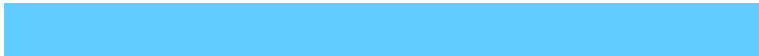
46.7267, 53.9808, 26.4957

Rectangle

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



38.2449, 53.9808, 73.3694



45.8973, 53.9808, 108.8393



67.0489, 53.9808, 46.2585



57.1261, 53.9808, 27.0436

Sweetspot

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



38.2465, 53.9828, 73.3707



77.1093, 90.4137, 107.9952



27.1503, 50.3586, 12.4284



16.1150, 19.1425, 23.0955



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.



38.2465, 53.9828, 73.3707



53.5477, 77.2772, 106.7015



23.2170, 23.9238, 68.3609



12.7780, 14.0795, 15.9817



21.4640, 31.1898, 43.3421



1.2991, 1.8901, 2.6157

Inverse Universe

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



42.0219, 22.5835, 65.7647



59.3866, 29.3955, 94.7856



38.1269, 32.9507, 8.4899



12.9459, 12.6299, 15.6554



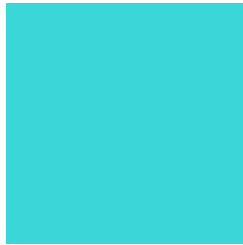
23.8929, 11.4935, 38.3356



1.4433, 0.6941, 2.3240

Previews

White Background



This preview shows how the XYZ color 38.2449, 53.9808, 73.3694 looks on a white background.

Color Contrast Check

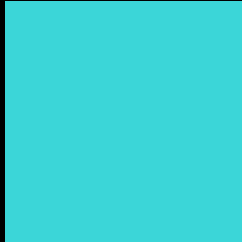
Large Text (above 18pt) WCAG AA × Fail

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 38.2449, 53.9808, 73.3694 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

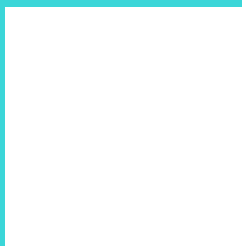
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.2449, 53.9808, 73.3694

Background



This preview shows how black text looks on a background with the XYZ color 38.2449, 53.9808, 73.3694.

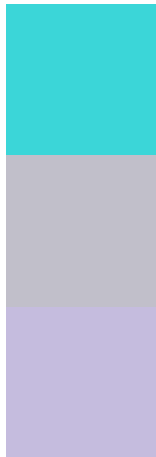


This preview shows how white text looks on a background with the XYZ color 38.2449, 53.9808,

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

38.2449, 53.9808, 73.3694

Protanopia

51.2838, 52.8633, 63.3778

Deuteranopia

54.1940, 53.1107, 76.5023



Tritanopia

40.0702, 53.9731, 82.4347

Trichromacy



Original Color

38.2449, 53.9808, 73.3694



Protanomaly

43.1875, 51.2811, 66.6535



Deuteranomaly

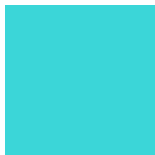
44.9171, 51.3029, 75.2452



Tritanomaly

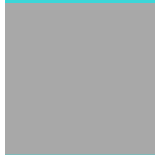
39.4288, 54.0941, 78.8841

Monochromacy



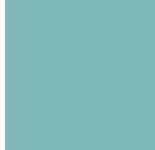
Original Color

38.2449, 53.9808, 73.3694



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

35.0080, 42.7899, 52.3131

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2449, 53.9808, 73.3694 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(59, 214, 216)` looks like.

```
.text, #text, p{  
    color:rgb(59, 214, 216)  
}
```

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(59, 214, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 214, 216) }
```

Border

The CSS property to change the border of an element to XYZ 38.2449, 53.9808, 73.3694 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(59, 214, 216) }
```


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

```
.border{ border-color:rgb(59, 214, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 214, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 214, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 214, 216);  
box-shadow:4px 4px 4px 4px rgb(59, 214,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2449, 53.9808, 73.3694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 214, 216) }
```

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

```
.background{ background-color: rgb(59, 214,  
216) }
```

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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