

Converting Colors

XYZ(33.1596, 43.6246, 71.9328)

Have a look what the booklet for
XYZ(33.1596, 43.6246, 71.9328)
contains.

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Color

**XYZ(33.1078, 43.6178,
71.6399)**

Conversions

Conversions Part 1

Format	Color
Hex	3CC0D8
RGB	60, 192, 216
RGB Percent	24%, 75%, 85%
CMY	0.7647, 0.2470, 0.1529
CMYK	0.72, 0.11, 0.00, 0.15
HSL	189°, 67%, 54%
HSV	189°, 72%, 85%
XYZ	33.1078, 43.6178, 71.6399
YIQ	155.2680, -86.3760, -20.5200

Conversions

Conversions Part 2

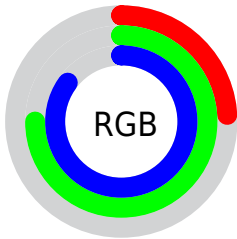
Format	Color
R _{YB}	60, 132, 216
Decimal	3981528
CIE Lab	71.97, -27.39, -22.28
CIE LCh	72, 35.302, 219.123
Yxy	43.6178, 0.2232, 0.2940
Android (android.graphics.Color)	4282171608 (0xFF3CC0D8)
YUV	155.2680, 29.9409, -83.5500
Hunter-Lab	66.0438, -26.0944, -18.0832

Details

The XYZ color **33.1078, 43.6178, 71.6399** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **32.3062, 21.2676, 6.6788**, and the grayscale version is **31.1752, 32.7987, 35.7178**.

A 20% lighter version of the original color is **60.8278, 79.5606, 106.7585**, and **15.5215, 20.7502, 36.9053** is the 20% darker color. If you saturate the color by 10%, you get **31.3381, 41.6354, 71.3513**, and if you desaturate by 10%, it is **35.4290, 45.9108, 71.9610**.

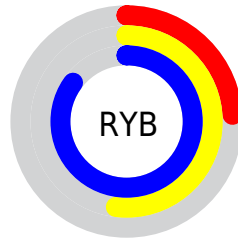
Distribution



Red (24%)

Green (75%)

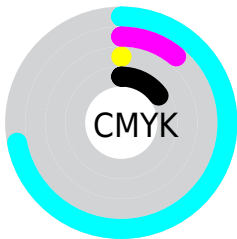
Blue (85%)



Red (24%)

Yellow (52%)

Blue (85%)

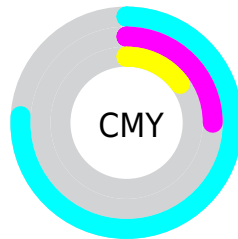


Cyan (72%)

Magenta (11%)

Yellow (0%)

Black (15%)



Cyan (76%)

Magenta (25%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1078, 43.6178, 71.6399 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 33.1078, 43.6178, 71.6399 by changing the saturation by 10% instead.

■ 33.1078, 43.6178,
71.6399

■ 33.1078, 43.6178,
71.6399

307.7916,
361.1463, 485.2311

■ 22.3687, 30.3702,
52.3795

■ 63.8973, 80.6423,
123.2474

■ 14.2462, 20.1197,
36.9234

■ 84.6785, 105.1880,
156.4316

■ 8.3749, 12.4821,
24.8528

■ 109.5376,
134.2684, 195.0941

■ 4.3896, 7.0729,
15.7494

■ 138.8402,
168.2681, 239.6535

■ 1.9248, 3.5077,
9.1946

■ 172.9515,
207.5713, 290.5284

■ 0.5912, 1.4022,
4.7698

212.2370,

■ 0.0000, 0.2183,

252.5625, 348.1373

2.0565

257.0619,
303.6260, 412.8986

■ 0.0000, 0.0000,
0.5897

■ 0.0000, 0.0000,
0.0000

■ 33.1078, 43.6178,
71.6399

■ 33.1078, 43.6178,
71.6399

■ 31.3381, 41.6354,
71.3513

■ 35.4290, 45.9108,
71.9610

■ 30.0463, 39.9226,
71.0889

■ 38.3553, 48.5395,
72.3141

■ 29.2810, 38.7302,
70.8990

■ 41.9387, 51.5316,
72.7028

■ 46.2241, 54.9107,
73.1292

■ 51.2526, 58.6978,
73.5951

■ 57.0620, 62.9128,
74.1025

■ 63.6873, 67.5738,
74.6530

■ 71.1617, 72.6980,
75.2481

■ 79.5164, 78.3017,
75.8894

Harmonies

Analogous

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



31.0437, 43.6178, 52.9467



33.1078, 43.6178, 71.6399



37.4665, 43.6178, 85.7026

Triad

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



33.1078, 43.6178, 71.6399



53.2444, 43.6178, 60.3169



39.6485, 43.6178, 21.6986

Complementary

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



33.1078, 43.6178, 71.6399



32.3062, 21.2676, 6.6788

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.



45.7221, 43.6178, 22.7580



33.1078, 43.6178, 71.6399



53.9728, 43.6178, 42.4261

Square

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



33.1078, 43.6178, 71.6399



49.2011, 43.6178, 78.1431



51.1046, 43.6178, 29.4907



34.5721, 43.6178, 26.1319

Rectangle

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



33.1078, 43.6178, 71.6399



41.2805, 43.6178, 88.9642



51.1046, 43.6178, 29.4907



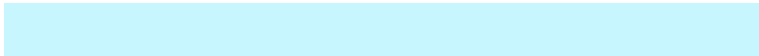
41.6349, 43.6178, 21.4530

Sweetspot

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



33.1092, 43.6194, 71.6410



74.6448, 85.4848, 107.1738



27.9975, 50.7043, 16.5780



15.5243, 17.9611, 22.8986



0.0000, 0.0000, 0.0000



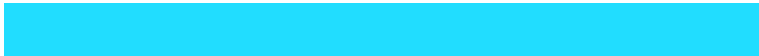
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.1092, 43.6194, 71.6410



44.5039, 59.1897, 103.6869



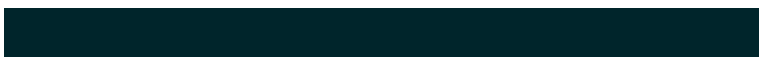
20.3450, 18.0911, 67.3862



12.6219, 13.7672, 15.9296



17.3955, 23.0528, 41.9859



1.0942, 1.4804, 2.5474

Inverse Universe

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



39.4504, 21.6379, 51.9680



54.8217, 27.5695, 70.7473



41.9509, 40.5569, 9.8937



12.8671, 12.5983, 15.2404



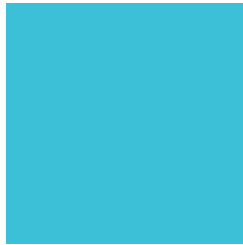
21.8393, 10.6720, 27.5215



1.3399, 0.6528, 1.7795

Previews

White Background



This preview shows how the XYZ color 33.1078, 43.6178, 71.6399 looks on a white background.

Color Contrast Check

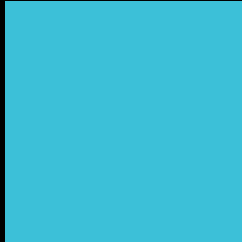
Large Text (above 18pt) WCAG AA × Fail

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 33.1078, 43.6178, 71.6399 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

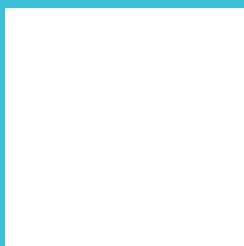
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.1078, 43.6178, 71.6399

Background



This preview shows how black text looks on a background with the XYZ color 33.1078, 43.6178, 71.6399.



This preview shows how white text looks on a background with the XYZ color 33.1078, 43.6178,

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

33.1078, 43.6178, 71.6399

Protanopia

42.6127, 43.1778, 63.2150

Deuteranopia

44.1659, 43.1605, 74.4096



Tritanopia

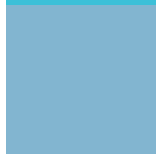
32.1541, 43.5556, 67.0340

Trichromacy



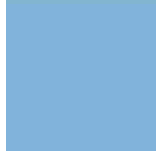
Original Color

33.1078, 43.6178, 71.6399



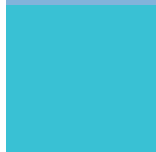
Protanomaly

37.1150, 42.3476, 65.8923



Deuteranomaly

37.9595, 42.0218, 73.1282



Tritanomaly

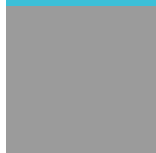
32.6410, 43.7633, 69.0141

Monochromacy



Original Color

33.1078, 43.6178, 71.6399



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

29.6842, 35.1727, 46.8195

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1078, 43.6178, 71.6399 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(60, 192, 216)` looks like.

```
.text, #text, p{  
    color:rgb(60, 192, 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(60, 192, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 192, 216) }
```

Border

The CSS property to change the border of an element to XYZ 33.1078, 43.6178, 71.6399 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(60, 192, 216) }
```


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

```
.border{ border-color:rgb(60, 192, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 192, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 192, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 192, 216);  
box-shadow:4px 4px 4px 4px rgb(60, 192,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1078, 43.6178, 71.6399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 192, 216) }
```

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

```
.background{ background-color: rgb(60, 192,  
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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