

Converting Colors

XYZ(31.4325, 39.5771, 55.7229)

Have a look what the booklet for
XYZ(31.4325, 39.5771, 55.7229)
contains.

XYZ(31.5178, 39.6783, 55.8667)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.5178, 39.6783,
55.8667)**

Conversions

Conversions Part 1

Format	Color
Hex	66B5C0
RGB	102, 181, 192
RGB Percent	40%, 71%, 75%
CMY	0.6000, 0.2902, 0.2471
CMYK	0.47, 0.06, 0.00, 0.25
HSL	187°, 42%, 58%
HSV	187°, 47%, 75%
XYZ	31.5178, 39.6783, 55.8667
YIQ	158.6330, -50.6150, -13.3270

Conversions

Conversions Part 2

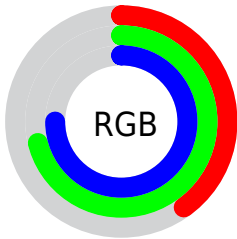
Format	Color
R _Y B	102, 144, 192
Decimal	6731200
CIE Lab	69.24, -21.33, -13.15
CIE LCh	69, 25.060, 211.646
Yxy	39.6783, 0.2480, 0.3123
Android (android.graphics.Color)	4284921280 (0xFF66B5C0)
YUV	158.6330, 16.4499, -49.6671
Hunter-Lab	62.9907, -20.9202, -8.4910

Details

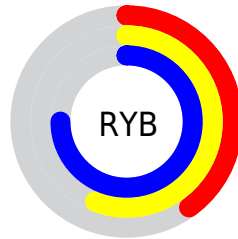
The XYZ color **31.5178, 39.6783, 55.8667** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **30.0424, 23.9768, 15.6160**, and the grayscale version is **32.7321, 34.4367, 37.5016**.

A 20% lighter version of the original color is **61.3280, 74.6148, 99.9767**, and **13.3756, 17.8160, 27.1600** is the 20% darker color. If you saturate the color by 10%, you get **29.1159, 37.7387, 55.6196**, and if you desaturate by 10%, it is **34.4340, 41.8968, 56.1419**.

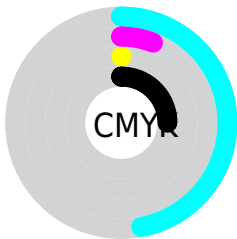
Distribution



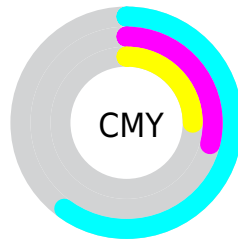
- Red (40%)
- Green (71%)
- Blue (75%)



- Red (40%)
- Yellow (56%)
- Blue (75%)



- Cyan (47%)
- Magenta (6%)
- Yellow (0%)
- Black (25%)



- Cyan (60%)
- Magenta (29%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5178, 39.6783, 55.8667 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 31.5178, 39.6783, 55.8667 by changing the saturation by 10% instead.

■ 31.5178, 39.6783,
55.8667

■ 31.5178, 39.6783,
55.8667

300.7012,
344.7658, 426.5631

■ 21.1472, 27.2878,
39.6928

■ 61.4247, 74.6734,
100.2935

■ 13.3447, 17.7895,
26.9871

■ 81.6917, 98.0468,
129.3835

■ 7.7450, 10.7990,
17.3312

■ 105.9883,
125.8499, 163.6159

■ 3.9826, 5.9318,
10.3065

■ 134.6797,
158.4672, 203.4092

■ 1.6923, 2.8037,
5.4944

168.1313,
196.2831, 249.1821

■ 0.4515, 1.0301,
2.4764

206.7086,

■ 0.0000, 0.0000,

239.6818, 301.3530

0.8276

250.7768,
289.0479, 360.3405

■ 0.0000, 0.0000,
0.0000

■ 31.5178, 39.6783,
55.8667

■ 31.5178, 39.6783,
55.8667

■ 29.1159, 37.7387,
55.6196

■ 34.4340, 41.8968,
56.1419

■ 27.1895, 36.0551,
55.3962

■ 37.8929, 44.4062,
56.4440

■ 25.6998, 34.6084,
55.1955

■ 41.9250, 47.2232,
56.7752

■ 24.6003, 33.3748,
55.0153

■ 46.5576, 50.3617,
57.1368

■ 23.8282, 32.3215,
54.8527

■ 51.8159, 53.8351,
57.5301

■ 23.6166, 32.0100,
54.8037

■ 57.7241, 57.6556,
57.9561

■ 64.3048, 61.8351,
58.4160

■ 71.3565, 66.2698,
58.9003

■ 71.9034, 67.3634,
59.0826

Harmonies

Analogous

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



30.5134, 39.6783, 43.8410



31.5178, 39.6783, 55.8667



34.1657, 39.6783, 65.7163

Triad

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



31.5178, 39.6783, 55.8667



44.9198, 39.6783, 54.5714



37.4918, 39.6783, 24.6632

Complementary

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



31.5178, 39.6783, 55.8667



30.0424, 23.9768, 15.6160

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.



41.4978, 39.6783, 26.5265



31.5178, 39.6783, 55.8667



45.9644, 39.6783, 42.5710

Square

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



31.5178, 39.6783, 55.8667



41.9084, 39.6783, 64.8800



44.6711, 39.6783, 32.6139



33.8074, 39.6783, 26.9879

Rectangle

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



31.5178, 39.6783, 55.8667



36.6030, 39.6783, 68.9650



44.6711, 39.6783, 32.6139



38.8453, 39.6783, 24.8186

Sweetspot

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



31.5190, 39.6798, 55.8676



78.0804, 87.0132, 103.0402



27.2826, 41.7059, 22.0888



16.3767, 18.4112, 22.0759



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



31.5190, 39.6798, 55.8676



52.7463, 68.3715, 100.7773



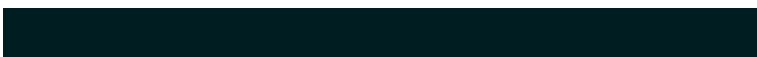
23.8697, 24.3812, 53.3179



10.2601, 11.2115, 12.9081



15.9297, 21.6158, 36.8893



0.7184, 0.9942, 1.6039

Inverse Universe

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



34.8311, 24.0465, 46.5233



59.6388, 37.3195, 80.9997



36.2792, 36.4503, 17.6949



10.4426, 10.2256, 12.4212



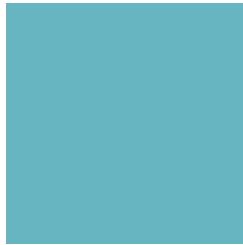
19.4365, 9.4644, 26.0086



0.8550, 0.4150, 1.2039

Previews

White Background



This preview shows how the XYZ color 31.5178, 39.6783, 55.8667 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 31.5178, 39.6783, 55.8667 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 31.5178, 39.6783, 55.8667

Background



This preview shows how black text looks on a background with the XYZ color 31.5178, 39.6783, 55.8667.

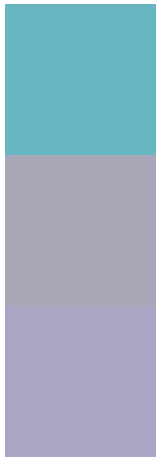


This preview shows how white text looks on a background with the XYZ color 31.5178, 39.6783,

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

31.5178, 39.6783, 55.8667

Protanopia

38.3023, 39.2718, 50.3612

Deuteranopia

40.0339, 39.1944, 57.6798



Tritanopia

31.9677, 39.8714, 57.6408

Trichromacy



Original Color

31.5178, 39.6783, 55.8667

Protanomaly

34.9431, 38.8899, 52.1192

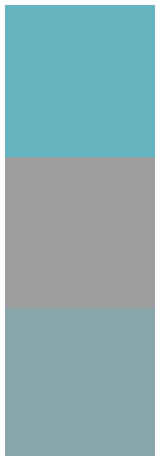
Deuteranomaly

36.0791, 38.8006, 57.2174

Tritanomaly

31.8550, 39.8264, 57.0473

Monochromacy



Original Color

31.5178, 39.6783, 55.8667

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

31.6506, 35.9810, 43.8049

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5178, 39.6783, 55.8667 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(102, 181, 192)` looks like.

```
.text, #text, p{  
    color:rgb(102, 181, 192)  
}
```

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(102, 181, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 181, 192) }
```

Border

The CSS property to change the border of an element to XYZ 31.5178, 39.6783, 55.8667 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(102, 181, 192) }
```


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

```
.border{ border-color:rgb(102, 181, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 181, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 181, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 181, 192);  
box-shadow:4px 4px 4px 4px rgb(102, 181,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5178, 39.6783, 55.8667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 181, 192) }
```

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

```
.background{ background-color: rgb(102,  
181, 192) }
```

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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