

Converting Colors

XYZ(31.1755, 48.2276, 35.2695)

Have a look what the booklet for
XYZ(31.1755, 48.2276, 35.2695)
contains.

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Color

**XYZ(31.1755, 48.2276,
35.2695)**

Conversions

Conversions Part 1

Format	Color
Hex	56CE93
RGB	86, 206, 147
RGB Percent	34%, 81%, 58%
CMY	0.6627, 0.1921, 0.4235
CMYK	0.58, 0.00, 0.29, 0.19
HSL	150°, 55%, 57%
HSV	150°, 58%, 81%
XYZ	31.1755, 48.2276, 35.2695
YIQ	163.3940, -52.5810, -43.7890

Conversions

Conversions Part 2

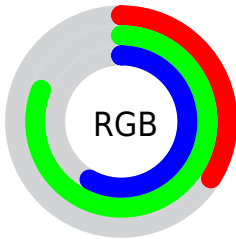
Format	Color
RYB	86, 166, 206
Decimal	5688979
CIELab	74.97, -47.28, 19.49
CIELCh	75, 51.141, 157.601
Yxy	48.2276, 0.2719, 0.4206
Android (android.graphics.Color)	4283879059 (0xFF56CE93)
YUV	163.3940, -8.0822, -67.8745
Hunter-Lab	69.4461, -41.3991, 18.5007

Details

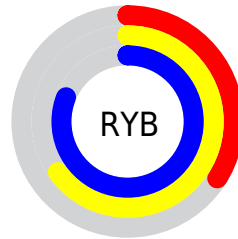
The XYZ color **31.1755, 48.2276, 35.2695** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **33.8938, 21.8228, 29.2156**, and the grayscale version is **35.0550, 36.8806, 40.1629**.

A 20% lighter version of the original color is **57.9797, 81.7568, 67.9831**, and **13.1904, 22.9842, 14.8075** is the 20% darker color. If you saturate the color by 10%, you get **28.7851, 47.0844, 31.1903**, and if you desaturate by 10%, it is **34.1849, 49.6844, 39.7451**.

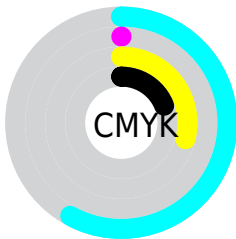
Distribution



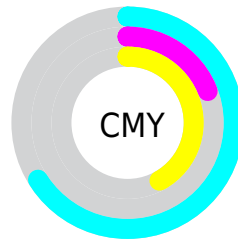
- Red (34%)
- Green (81%)
- Blue (58%)



- Red (34%)
- Yellow (65%)
- Blue (81%)



- Cyan (58%)
- Magenta (0%)
- Yellow (29%)
- Black (19%)




- Cyan (66%)
- Magenta (19%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.1755, 48.2276, 35.2695 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 31.1755, 48.2276, 35.2695 by changing the saturation by 10% instead.


 31.1755, 48.2276,
35.2695


 31.1755, 48.2276,
35.2695


299.1585,
379.6936, 340.6966


 20.8850, 34.0072,
23.5853


 60.8902, 87.5432,
69.0594


 13.1520, 22.8991,
14.8170


 81.0452, 113.4071,
92.0021

 7.6110, 14.5190,
8.5458


 105.2190,
143.9210, 119.5349

 3.8967, 8.4825,
4.3534

 133.7770,
179.4692, 152.0761

 1.6439, 4.4052,
1.8212

167.0847,
220.4362, 190.0443

 0.4208, 1.9027,
0.4419

205.5072,

 0.0000, 0.5500,

267.2063, 233.8581

0.0000

249.4100,
320.1640, 283.9360

■ 0.0000, 0.0000,
0.0000

■ 31.1755, 48.2276,
35.2695

■ 31.1755, 48.2276,
35.2695

■ 28.7851, 47.0844,
31.1903

■ 34.1849, 49.6844,
39.7451

■ 26.9598, 46.2234,
27.4926

■ 37.8539, 51.4716,
44.6250

■ 25.6420, 45.6163,
24.1648

■ 42.2240, 53.6118,
49.9207

■ 24.7442, 45.2184,
21.1927

■ 47.3319, 56.1236,
55.6426

■ 24.6074, 45.1584,
20.7078

■ 53.2117, 59.0246,
61.8003

■ 59.8955, 62.3310,
68.4032

■ 67.4134, 66.0582,
75.4605

■ 75.7938, 70.2207,
82.9810

■ 78.7684, 71.5868,
90.6786

Harmonies

Analogous

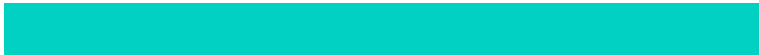
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.7429, 48.2276, 21.4229



31.1755, 48.2276, 35.2695



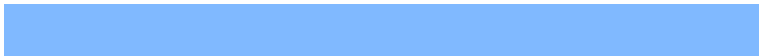
30.2600, 48.2276, 59.6036

Triad

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



31.1755, 48.2276, 35.2695



48.2526, 48.2276, 121.6560



61.5680, 48.2276, 26.9916

Complementary

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



31.1755, 48.2276, 35.2695



33.8938, 21.8228, 29.2156

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.



66.0145, 48.2276, 46.0058



31.1755, 48.2276, 35.2695



57.6767, 48.2276, 104.6272

Square

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



31.1755, 48.2276, 35.2695



39.3385, 48.2276, 115.7589



64.5016, 48.2276, 74.6177



53.0186, 48.2276, 17.8985

Rectangle

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



31.1755, 48.2276, 35.2695



31.7106, 48.2276, 80.0871



64.5016, 48.2276, 74.6177



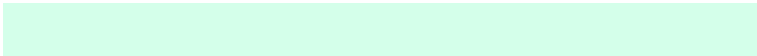
63.6414, 48.2276, 32.1269

Sweetspot

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



31.1768, 48.2295, 35.2706



77.6168, 91.3876, 91.1542



35.6066, 50.9275, 16.7580



16.2259, 19.3699, 19.0918



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.



31.1768, 48.2295, 35.2706



45.7772, 75.8758, 48.9064



37.0512, 50.5793, 66.2048



11.3020, 12.6306, 13.1478



15.2010, 27.8257, 13.0096



0.8225, 1.4508, 0.8728

Inverse Universe

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



33.8938, 21.8228, 29.2156



50.5838, 29.1879, 38.2150



30.4624, 20.4503, 11.1464



11.4384, 11.3041, 12.8432



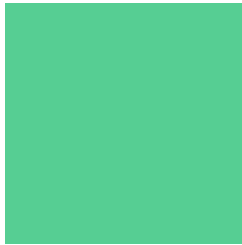
17.1774, 8.6815, 8.6527



0.9245, 0.4632, 0.6482

Previews

White Background



This preview shows how the XYZ color 31.1755, 48.2276, 35.2695 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 31.1755, 48.2276, 35.2695 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

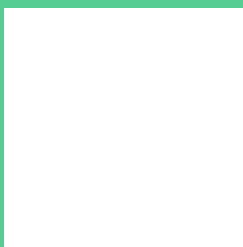
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.1755, 48.2276, 35.2695

Background



This preview shows how black text looks on a background with the XYZ color 31.1755, 48.2276, 35.2695.



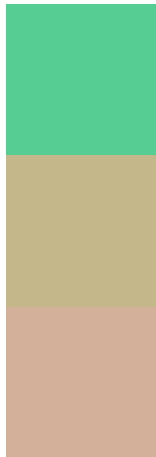
This preview shows how white text looks on a background with the XYZ color 31.1755, 48.2276,

35.2695.

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

31.1755, 48.2276, 35.2695

Protanopia

44.2138, 47.4089, 30.4874

Deuteranopia

48.2220, 47.2326, 37.1471



Tritanopia

38.0399, 47.8624, 70.1842

Trichromacy



Original Color

31.1755, 48.2276, 35.2695



Protanomaly

37.1488, 46.2526, 32.1690



Deuteranomaly

39.0821, 45.8820, 36.0744



Tritanomaly

34.9852, 47.6353, 55.4947

Monochromacy



Original Color

31.1755, 48.2276, 35.2695



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

32.1976, 39.8254, 37.8884

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1755, 48.2276, 35.2695 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(86, 206, 147)` looks like.

```
.text, #text, p{  
    color:rgb(86, 206, 147)  
}
```

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(86, 206, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 206, 147) }
```

Border

The CSS property to change the border of an element to XYZ 31.1755, 48.2276, 35.2695 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(86, 206, 147) }
```


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

```
.border{ border-color:rgb(86, 206, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 206, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 206, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 206, 147);  
box-shadow:4px 4px 4px 4px rgb(86, 206,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1755, 48.2276, 35.2695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 206, 147) }
```

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

```
.background{ background-color: rgb(86, 206,  
147) }
```

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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