

Converting Colors

XYZ(31.1227, 51.7799, 16.9410)

Have a look what the booklet for
XYZ(31.1227, 51.7799, 16.9410)
contains.

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Color

**XYZ(31.1957, 51.9661,
16.9806)**

Conversions

Conversions Part 1

Format	Color
Hex	64D755
RGB	100, 215, 85
RGB Percent	39%, 84%, 33%
CMY	0.6078, 0.1568, 0.6667
CMYK	0.53, 0.00, 0.60, 0.16
HSL	113°, 62%, 59%
HSV	113°, 60%, 84%
XYZ	31.1957, 51.9661, 16.9806
YIQ	165.7950, -26.8100, -64.8100

Conversions

Conversions Part 2

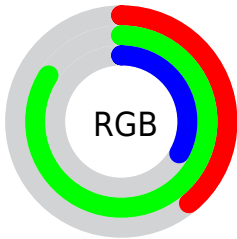
Format	Color
RYB	85, 215, 200
Decimal	6608725
CIELab	77.26, -57.09, 53.14
CIElCh	77, 77.994, 137.051
Yxy	51.9661, 0.3115, 0.5189
Android (android.graphics.Color)	4284798805 (0xFF64D755)
YUV	165.7950, -39.8319, -57.7022
Hunter-Lab	72.0875, -48.9077, 36.4952

Details

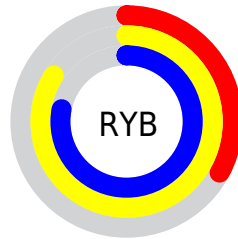
The XYZ color **31.1957, 51.9661, 16.9806** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **39.3364, 23.6845, 66.7911**, and the grayscale version is **36.3432, 38.2359, 41.6389**.

A 20% lighter version of the original color is **54.7183, 80.7550, 37.1294**, and **13.1553, 25.1610, 5.3256** is the 20% darker color. If you saturate the color by 10%, you get **28.6045, 50.7160, 13.0583**, and if you desaturate by 10%, it is **34.5399, 53.5775, 22.2946**.

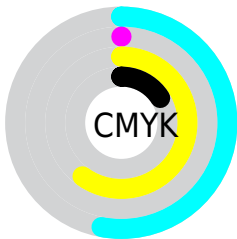
Distribution



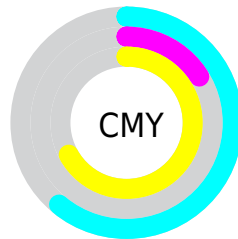
- Red (39%)
- Green (84%)
- Blue (33%)



- Red (33%)
- Yellow (84%)
- Blue (78%)



- Cyan (53%)
- Magenta (0%)
- Yellow (60%)
- Black (16%)



- Cyan (61%)
- Magenta (16%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1957, 51.9661, 16.9806 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 31.1957, 51.9661, 16.9806 by changing the saturation by 10% instead.

■ 31.1957, 51.9661,
16.9806

■ 31.1957, 51.9661,
16.9806

299.2497,
394.3057, 247.1007

■ 20.9005, 36.9781,
10.0588

■ 60.9218, 93.0812,
39.0826

■ 13.1633, 25.1905,
5.3319

■ 81.0834, 119.9771,
55.1000

■ 7.6189, 16.2190,
2.3812

■ 105.2645,
151.6111, 74.9862

■ 3.9018, 9.6793,
0.7762

■ 133.8304,
188.3675, 99.1600

■ 1.6467, 5.1868,
0.0000

167.1465,
230.6308, 128.0398

■ 0.4226, 2.3573,
0.0000

205.5782,

■ 0.0000, 0.8038,

278.7853, 162.0442

0.0000

249.4908,
333.2155, 201.5916

■ 0.0000, 0.0000,
0.0000

■ 31.1957, 51.9661,
16.9806

■ 31.1957, 51.9661,
16.9806

■ 28.6045, 50.7160,
13.0583

■ 34.5399, 53.5775,
22.2946

■ 26.7036, 49.7930,
10.3944

■ 38.6861, 55.5684,
29.1105

■ 25.4260, 49.1676,
8.8357

■ 43.6833, 57.9633,
37.5313

■ 24.6976, 48.8072,
8.1190

■ 49.5756, 60.7830,
47.6502

■ 56.4039, 64.0468,
59.5530

■ 64.2069, 67.7728,
73.3199

■ 73.0207, 71.9779,
89.0262

■ 82.5549, 76.5486,
105.0320

■ 83.5915, 77.0830,
105.0805

Harmonies

Analogous

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



41.4326, 51.9661, 8.7262



31.1957, 51.9661, 16.9806



26.3378, 51.9661, 40.0650

Triad

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



31.1957, 51.9661, 16.9806



43.2261, 51.9661, 180.7344



82.2917, 51.9661, 35.7101

Complementary

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



31.1957, 51.9661, 16.9806



39.3364, 23.6845, 66.7911

Split Complementary

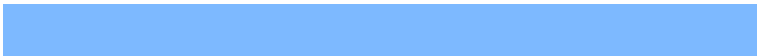
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.0425, 51.9661, 77.1102



31.1957, 51.9661, 16.9806



58.3111, 51.9661, 177.4459

Square

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



31.1957, 51.9661, 16.9806



32.2793, 51.9661, 140.7793



73.5658, 51.9661, 133.2644



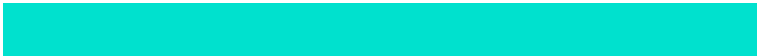
71.6841, 51.9661, 15.1801

Rectangle

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



31.1957, 51.9661, 16.9806



26.0015, 51.9661, 67.3034



73.5658, 51.9661, 133.2644



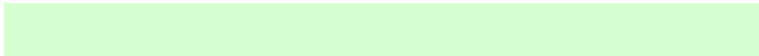
83.7709, 51.9661, 47.0648

Sweetspot

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



31.1969, 51.9683, 16.9818



75.1280, 90.4841, 73.8920



50.2820, 56.3369, 16.8191



15.4854, 19.0827, 14.7847



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.



31.1969, 51.9683, 16.9818



41.0776, 74.1378, 17.7509



32.4099, 52.2791, 31.2444



12.3941, 13.9639, 13.2028



14.8172, 29.2149, 4.8581



0.9393, 1.7856, 0.2951

Inverse Universe

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



39.3364, 23.6845, 66.7911



53.9450, 28.8700, 97.3370



38.0814, 23.6681, 38.2401



12.8054, 12.5566, 15.6863



20.1250, 9.5273, 39.2314



1.2548, 0.5957, 2.3682

Previews

White Background



This preview shows how the XYZ color 31.1957, 51.9661, 16.9806 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 31.1957, 51.9661, 16.9806 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 31.1957, 51.9661, 16.9806

Background



This preview shows how black text looks on a background with the XYZ color 31.1957, 51.9661, 16.9806.



This preview shows how white text looks on a background with the XYZ color 31.1957, 51.9661,

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

31.1957, 51.9661, 16.9806

Protanopia

46.6170, 51.2116, 14.4490

Deuteranopia

51.9911, 50.7924, 17.8902



Tritanopia

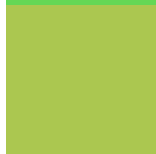
42.6775, 51.8922, 74.0965

Trichromacy



Original Color

31.1957, 51.9661, 16.9806



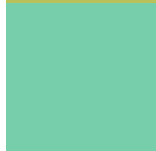
Protanomaly

38.6660, 50.0840, 15.2187



Deuteranomaly

40.9659, 49.2095, 17.2368



Tritanomaly

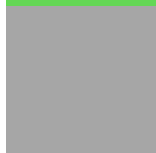
37.0397, 51.3795, 45.9952

Monochromacy



Original Color

31.1957, 51.9661, 16.9806



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

32.8112, 41.8379, 30.0131

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1957, 51.9661, 16.9806 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(100, 215, 85)` looks like.

```
.text, #text, p{  
    color:rgb(100, 215, 85)  
}
```

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(100, 215, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 215, 85) }
```

Border

The CSS property to change the border of an element to XYZ 31.1957, 51.9661, 16.9806 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(100, 215, 85) }
```


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

```
.border{ border-color:rgb(100, 215, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 215, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 215, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 215, 85);  
box-shadow:4px 4px 4px 4px rgb(100, 215,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1957, 51.9661, 16.9806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 215, 85) }
```

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

```
.background{ background-color: rgb(100,  
215, 85) }
```

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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