

Converting Colors

XYZ(31.7513, 57.9096, 16.3874)

Have a look what the booklet for
XYZ(31.7513, 57.9096, 16.3874)
contains.

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Color

**XYZ(31.7077, 57.7894,
16.3208)**

Conversions

Conversions Part 1

Format	Color
Hex	44E54C
RGB	68, 229, 76
RGB Percent	27%, 90%, 30%
CMY	0.7333, 0.1019, 0.7019
CMYK	0.70, 0.00, 0.67, 0.10
HSL	123°, 76%, 58%
HSV	123°, 70%, 90%
XYZ	31.7077, 57.7894, 16.3208
YIQ	163.4190, -46.8430, -81.7150

Conversions

Conversions Part 2

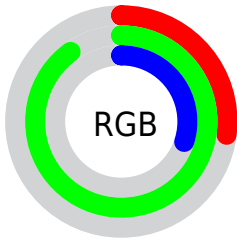
Format	Color
RYB	68, 221, 229
Decimal	4515148
CIELab	80.62, -69.70, 60.35
CIElCh	81, 92.195, 139.113
Yxy	57.7894, 0.2996, 0.5461
Android (android.graphics.Color)	4282705228 (0xFF44E54C)
YUV	163.4190, -43.0976, -83.6825
Hunter-Lab	76.0193, -58.5814, 40.4844

Details

The XYZ color **31.7077, 57.7894, 16.3208** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark muted green. A complement of this color would be **47.4326, 26.0134, 70.9272**, and the grayscale version is **35.2258, 37.0603, 40.3587**.

A 20% lighter version of the original color is **50.1733, 78.4771, 33.9759**, and **14.7854, 29.5182, 5.0906** is the 20% darker color. If you saturate the color by 10%, you get **29.7787, 56.8698, 12.9275**, and if you desaturate by 10%, it is **34.5187, 59.1375, 21.0930**.

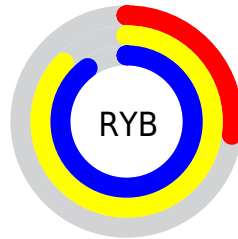
Distribution



Red (27%)

Green (90%)

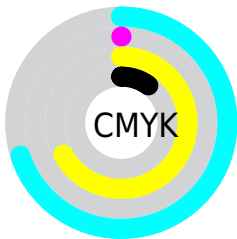
Blue (30%)



Red (27%)

Yellow (87%)

Blue (90%)

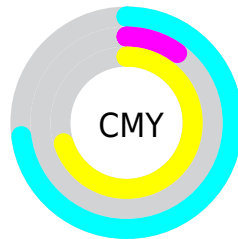


Cyan (70%)

Magenta (0%)

Yellow (67%)

Black (10%)



Cyan (73%)

Magenta (10%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7077, 57.7894, 16.3208 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 31.7077, 57.7894, 16.3208 by changing the saturation by 10% instead.

■ 31.7077, 57.7894,
16.3208

■ 31.7077, 57.7894,
16.3208

301.5546,
416.4007, 243.1373

■ 21.2928, 41.6394,
9.5946

■ 61.7209, 101.6161,
37.9287

■ 13.4519, 28.8190,
5.0290

■ 82.0498, 130.0616,
53.6476

■ 7.8196, 18.9439,
2.2052

■ 106.4142,
163.3743, 73.2011

■ 4.0305, 11.6298,
0.6774

■ 135.1794,
201.9387, 97.0078

■ 1.7194, 6.4921,
0.0000

■ 168.7106,
246.1391, 125.4863

■ 0.4684, 3.1466,
0.0000

207.3733,

■ 0.0000, 1.2087,

296.3600, 159.0550

0.0000

251.5329,
352.9858, 198.1325

■ 0.0000, 0.0688,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 31.7077, 57.7894,
16.3208

■ 31.7077, 57.7894,
16.3208

■ 29.7787, 56.8698,
12.9275

■ 34.5187, 59.1375,
21.0930


■ 28.6231, 56.3208,
10.7635


■ 38.2957, 60.9497,
27.3658


■ 28.0832, 56.0660,
9.6702


■ 43.1175, 63.2659,
35.2518


■ 49.0538, 66.1198,
44.8520

 56.1681, 69.5423,
56.2588

 64.5193, 73.5617,
69.5584

 74.1622, 78.2048,
84.8313

 85.1485, 83.4964,
102.1531

 87.3105, 84.5210,
106.3202

Harmonies

Analogous

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



43.8281, 57.7894, 6.8325



31.7077, 57.7894, 16.3208



26.3287, 57.7894, 45.1815

Triad

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



31.7077, 57.7894, 16.3208



48.3213, 57.7894, 231.3658



97.1061, 57.7894, 34.5407

Complementary

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



31.7077, 57.7894, 16.3208



47.4326, 26.0134, 70.9272

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.



99.0996, 57.7894, 84.7894



31.7077, 57.7894, 16.3208



67.7575, 57.7894, 222.2490

Square

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



31.7077, 57.7894, 16.3208



34.3425, 57.7894, 179.5540



87.3769, 57.7894, 159.0696



82.4315, 57.7894, 12.3795

Rectangle

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



31.7077, 57.7894, 16.3208



26.2087, 57.7894, 80.9609



87.3769, 57.7894, 159.0696



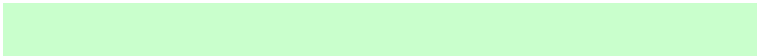
99.3906, 57.7894, 47.7852

Sweetspot

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



31.7091, 57.7918, 16.3221



70.8811, 88.3650, 70.5178



59.6921, 72.2478, 16.2680



14.6061, 18.6417, 14.1890



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.



31.7091, 57.7918, 16.3221



37.2740, 72.2303, 15.1615



36.2262, 59.5987, 40.1090



14.2182, 16.1007, 15.4140



16.0687, 32.0596, 5.5961



1.1977, 2.3732, 0.4678

Inverse Universe

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



47.4326, 26.0134, 70.9272



58.4084, 29.3850, 88.4604



39.3498, 22.7802, 28.3635



14.9625, 14.6022, 18.0031



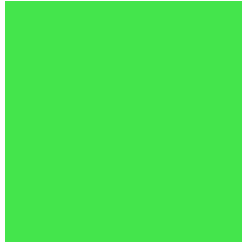
25.6953, 12.4123, 38.8861



1.9084, 0.9211, 2.9240

Previews

White Background



This preview shows how the XYZ color 31.7077, 57.7894, 16.3208 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 31.7077, 57.7894, 16.3208 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

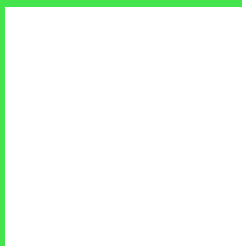
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.7077, 57.7894, 16.3208

Background



This preview shows how black text looks on a background with the XYZ color 31.7077, 57.7894, 16.3208.



This preview shows how white text looks on a background with the XYZ color 31.7077, 57.7894,

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

31.7077, 57.7894, 16.3208

Protanopia

51.5910, 56.7938, 13.7120

Deuteranopia

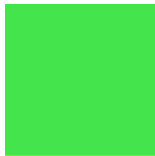
57.6570, 56.5289, 17.3235



Tritanopia

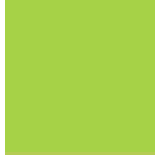
45.1525, 57.3074, 84.2830

Trichromacy



Original Color

31.7077, 57.7894, 16.3208



Protanomaly

39.9098, 54.6551, 14.4073



Deuteranomaly

42.2492, 53.6496, 16.5161



Tritanomaly

37.8933, 56.2450, 49.4166

Monochromacy



Original Color

31.7077, 57.7894, 16.3208



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

30.7691, 41.7685, 27.9132

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7077, 57.7894, 16.3208 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(68, 229, 76)` looks like.

```
.text, #text, p{  
    color:rgb(68, 229, 76)  
}
```

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(68, 229, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 229, 76) }
```

Border

The CSS property to change the border of an element to XYZ 31.7077, 57.7894, 16.3208 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(68, 229, 76) }
```


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

```
.border{ border-color:rgb(68, 229, 76) }
```

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

Here you see how a box with a 4 pixel rgb(68, 229, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 229, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 229, 76);  
box-shadow:4px 4px 4px 4px rgb(68, 229,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7077, 57.7894, 16.3208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 229, 76) }
```

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

```
.background{ background-color: rgb(68, 229,  
76) }
```

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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