

Converting Colors

XYZ(31.2268, 57.1286, 11.4614)

Have a look what the booklet for
XYZ(31.2268, 57.1286, 11.4614)
contains.

XYZ(31.2855, 57.2666, 11.5025)	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(31.2855, 57.2666,
11.5025)**

Conversions

Conversions Part 1

Format	Color
Hex	4EE429
RGB	78, 228, 41
RGB Percent	31%, 89%, 16%
CMY	0.6941, 0.1059, 0.8392
CMYK	0.66, 0.00, 0.82, 0.11
HSL	108°, 78%, 53%
HSV	108°, 82%, 89%
XYZ	31.2855, 57.2666, 11.5025
YIQ	161.8320, -29.3730, -89.9570

Conversions

Conversions Part 2

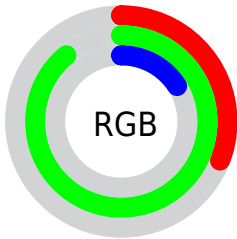
Format	Color
R_{YB}	41, 228, 191
Decimal	5170217
CIE _{Lab}	80.33, -69.99, 71.54
CIE _{LCh}	80, 100.079, 134.371
Yxy	57.2666, 0.3127, 0.5724
Android (android.graphics.Color)	4283360297 (0xFF4EE429)
YUV	161.8320, -59.5702, -73.5207
Hunter-Lab	75.6747, -58.6351, 43.9603

Details

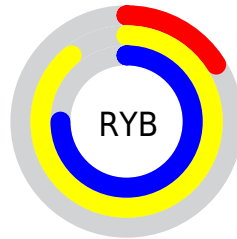
The XYZ color **31.2855, 57.2666, 11.5025** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **36.2871, 18.2665, 75.0152**, and the grayscale version is **34.5455, 36.3446, 39.5792**.

A 20% lighter version of the original color is **49.9357, 78.5392, 25.6244**, and **14.5629, 29.1258, 4.8543** is the 20% darker color. If you saturate the color by 10%, you get **29.7014, 56.4852, 9.9186**, and if you desaturate by 10%, it is **33.5190, 58.3597, 14.3202**.

Distribution



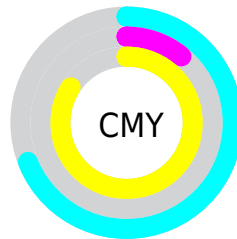
- Red (31%)
- Green (89%)
- Blue (16%)



- Red (16%)
- Yellow (89%)
- Blue (75%)



- Cyan (66%)
- Magenta (0%)
- Yellow (82%)
- Black (11%)



- Cyan (69%)
- Magenta (11%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2855, 57.2666, 11.5025 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 31.2855, 57.2666, 11.5025 by changing the saturation by 10% instead.

31.2855, 57.2666,
11.5025

31.2855, 57.2666,
11.5025

299.6549,
414.4475, 211.9430

20.9692, 41.2193,
6.2875

61.0621, 100.8541,
29.2364

13.2139, 28.4905,
2.9491

81.2531, 129.1631,
42.5924

7.6540, 18.6957,
1.0687

105.4664,
162.3281, 59.4992

3.9243, 11.4506,
0.0000

134.0674,
200.7336, 80.3752

1.6594, 6.3708,
0.0000

167.4214,
244.7639, 105.6391

0.4306, 3.0718,
0.0000

205.8937,

0.0000, 1.1694,

294.8033, 135.7093

0.0000

249.8498,
351.2364, 171.0044

■ 0.0000, 0.0365,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 31.2855, 57.2666,
11.5025

■ 31.2855, 57.2666,
11.5025

■ 29.7014, 56.4852,
9.9186


■ 33.5190, 58.3597,
14.3202


■ 28.8312, 56.0494,
9.2990


■ 36.4641, 59.7874,
18.5520


■ 40.1795, 61.5782,
24.3525


■ 44.7163, 63.7556,
31.8551

 50.1211, 66.3411,
41.1792

 56.4369, 69.3545,
52.4331

 63.7040, 72.8143,
65.7170

 71.9599, 76.7379,
81.1239

 81.2403, 81.1418,
98.7411

Harmonies

Analogous

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



45.2343, 57.2666, 4.4979



31.2855, 57.2666, 11.5025



24.6445, 57.2666, 36.6491

Triad

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



31.2855, 57.2666, 11.5025



44.5004, 57.2666, 246.0816



102.1518, 57.2666, 38.3526

Complementary

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



31.2855, 57.2666, 11.5025



36.2871, 18.2665, 75.0152

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.



101.8119, 57.2666, 97.9178



31.2855, 57.2666, 11.5025



64.7948, 57.2666, 247.6851

Square

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



31.2855, 57.2666, 11.5025



30.8649, 57.2666, 179.0585



86.8531, 57.2666, 182.6182



87.6904, 57.2666, 12.0791

Rectangle

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



31.2855, 57.2666, 11.5025



23.8624, 57.2666, 71.3446



86.8531, 57.2666, 182.6182



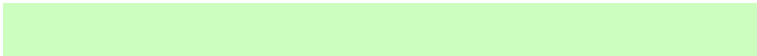
103.8609, 57.2666, 54.1516

Sweetspot

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



31.2868, 57.2690, 11.5038



70.0551, 88.1103, 62.7493



50.9415, 53.7446, 9.7876



14.3780, 18.5650, 12.3319



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.



31.2868, 57.2690, 11.5038



37.3380, 72.3303, 12.1397



30.8222, 56.8259, 20.6798



14.4542, 16.2257, 15.2745



16.7237, 32.4029, 5.3730



1.3101, 2.4328, 0.4005

Inverse Universe

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



36.2871, 18.2665, 75.0152



43.4389, 20.3907, 96.2540



40.2269, 21.0562, 40.9265



14.7011, 14.4637, 18.1613



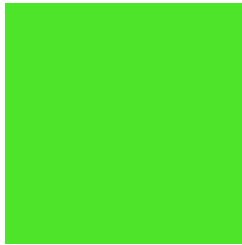
19.4470, 9.0912, 43.1130



1.5085, 0.7086, 3.1892

Previews

White Background



This preview shows how the XYZ color 31.2855, 57.2666, 11.5025 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 31.2855, 57.2666, 11.5025 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 31.2855, 57.2666, 11.5025

Background



This preview shows how black text looks on a background with the XYZ color 31.2855, 57.2666, 11.5025.



This preview shows how white text looks on a background with the XYZ color 31.2855, 57.2666, 11.5025.

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

31.2855, 57.2666, 11.5025

Protanopia

50.5928, 56.0276, 9.5867

Deuteranopia

57.2105, 56.0884, 12.3683



Tritanopia

45.2941, 56.6660, 82.6791

Trichromacy



Original Color

31.2855, 57.2666, 11.5025



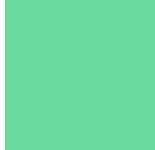
Protanomaly

39.6965, 54.2744, 10.0528



Deuteranomaly

42.2715, 53.4173, 11.5727



Tritanomaly

37.2133, 55.6591, 42.5001

Monochromacy



Original Color

31.2855, 57.2666, 11.5025



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

30.1890, 41.2511, 23.5107

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2855, 57.2666, 11.5025 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(78, 228, 41)` looks like.

```
.text, #text, p{  
    color:rgb(78, 228, 41)  
}
```

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(78, 228, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 228, 41) }
```

Border

The CSS property to change the border of an element to XYZ 31.2855, 57.2666, 11.5025 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(78, 228, 41) }
```


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

```
.border{ border-color:rgb(78, 228, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 228, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 228, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 228, 41);  
box-shadow:4px 4px 4px 4px rgb(78, 228,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2855, 57.2666, 11.5025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 228, 41) }
```

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

```
.background{ background-color: rgb(78, 228,  
41) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor