

Converting Colors

XYZ(31.3380, 58.0567, 14.4046)

Have a look what the booklet for
XYZ(31.3380, 58.0567, 14.4046)
contains.

XYZ(31.3366, 58.0538, 14.4044)	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(31.3366, 58.0538,
14.4044)**

Conversions

Conversions Part 1

Format	Color
Hex	40E640
RGB	64, 230, 64
RGB Percent	25%, 90%, 25%
CMY	0.7490, 0.0980, 0.7490
CMYK	0.72, 0.00, 0.72, 0.10
HSL	120°, 77%, 58%
HSV	120°, 72%, 90%
XYZ	31.3366, 58.0538, 14.4044
YIQ	161.4420, -45.6500, -86.8180

Conversions

Conversions Part 2

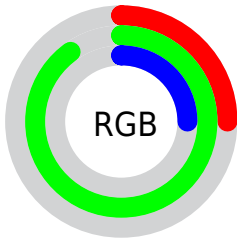
Format	Color
RYB	64, 230, 230
Decimal	4253248
CIELab	80.77, -71.69, 64.93
CIElCh	81, 96.727, 137.831
Yxy	58.0538, 0.3019, 0.5593
Android (android.graphics.Color)	4282443328 (0xFF40E640)
YUV	161.4420, -48.0389, -85.4566
Hunter-Lab	76.1930, -59.9245, 42.1263

Details

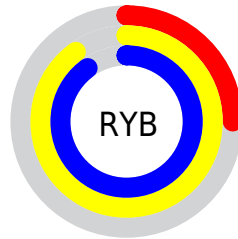
The XYZ color **31.3366, 58.0538, 14.4044** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark muted green. A complement of this color would be **48.7507, 26.2037, 77.3503**, and the grayscale version is **34.3157, 36.1028, 39.3159**.

A 20% lighter version of the original color is **49.2029, 78.0514, 30.5613**, and **14.9436, 29.8871, 4.9812** is the 20% darker color. If you saturate the color by 10%, you get **29.6128, 57.2275, 11.5837**, and if you desaturate by 10%, it is **33.9491, 59.3105, 18.6768**.

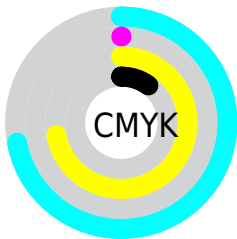
Distribution



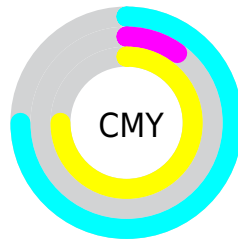
- Red (25%)
- Green (90%)
- Blue (25%)



- Red (25%)
- Yellow (90%)
- Blue (90%)



- Cyan (72%)
- Magenta (0%)
- Yellow (72%)
- Black (10%)





- Cyan (75%)
- Magenta (10%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.3366, 58.0538, 14.4044 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 31.3366, 58.0538, 14.4044 by changing the saturation by 10% instead.


 31.3366, 58.0538,
14.4044


 31.3366, 58.0538,
14.4044


299.8853,
417.3864, 231.2476


 21.0084, 41.8519,
8.2605


 61.1419, 102.0012,
34.5323

 13.2426, 28.9853,
4.1719

 81.3496, 130.5155,
49.3533


 7.6740, 19.0697,
1.7201

 105.5813,
163.9027, 67.9039

 3.9371, 11.7207,
0.3745

 134.2022,
202.5472, 90.6024

 1.6666, 6.5538,
0.0000

 167.5777,
246.8335, 117.8675

 0.4352, 3.1846,
0.0000

206.0731,

 0.0000, 1.2289,

297.1458, 150.1177

0.0000

250.0539,
353.8686, 187.7716

■ 0.0000, 0.0851,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 31.3366, 58.0538,
14.4044

■ 31.3366, 58.0538,
14.4044

■ 29.6128, 57.2275,
11.5837

■ 33.9491, 59.3105,
18.6768


■ 28.6567, 56.7683,
10.0196


■ 37.5434, 61.0370,
24.5560


■ 28.2980, 56.5960,
9.4329


■ 42.2052, 63.2763,
32.1813


■ 48.0099, 66.0646,
41.6760

 55.0262, 69.4349,
53.1523

 63.3171, 73.4174,
66.7135

 72.9416, 78.0406,
82.4558

 83.9546, 83.3307,
100.4693

 87.5880, 85.0760,
106.4127

Harmonies

Analogous

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



44.2385, 58.0538, 5.6874



31.3366, 58.0538, 14.4044



25.5170, 58.0538, 42.7531

Triad

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



31.3366, 58.0538, 14.4044



47.4757, 58.0538, 243.0912



100.3831, 58.0538, 35.1684

Complementary

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



31.3366, 58.0538, 14.4044



48.7507, 26.2037, 77.3503

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.



101.8530, 58.0538, 89.3324



31.3366, 58.0538, 14.4044



67.7878, 58.0538, 236.2563

Square

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



31.3366, 58.0538, 14.4044



33.2118, 58.0538, 184.7231



88.8007, 58.0538, 169.4657



85.1688, 58.0538, 11.7250

Rectangle

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



31.3366, 58.0538, 14.4044



25.2165, 58.0538, 79.4052



88.8007, 58.0538, 169.4657



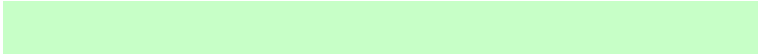
102.6140, 58.0538, 49.3829

Sweetspot

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



31.3380, 58.0562, 14.4057



69.5841, 87.7674, 67.2464



61.8579, 73.7898, 15.8332



14.3424, 18.5209, 13.4914



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.



31.3380, 58.0562, 14.4057



36.6687, 71.9565, 13.4068



35.6790, 59.7926, 37.2654



14.1894, 16.0892, 15.2622



16.0201, 32.0401, 5.3402



1.1838, 2.3677, 0.3947

Inverse Universe

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



48.7507, 26.2037, 77.3503



59.8368, 29.5756, 97.1564



39.7346, 22.5972, 29.8722



14.9952, 14.6153, 18.1749



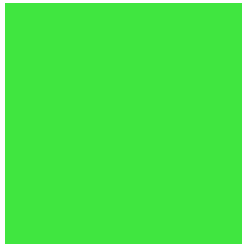
26.5606, 12.7585, 43.4428



1.9627, 0.9428, 3.2103

Previews

White Background



This preview shows how the XYZ color 31.3366, 58.0538, 14.4044 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 31.3366, 58.0538, 14.4044 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

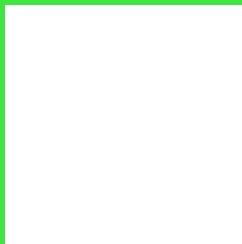
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.3366, 58.0538, 14.4044

Background



This preview shows how black text looks on a background with the XYZ color 31.3366, 58.0538, 14.4044.

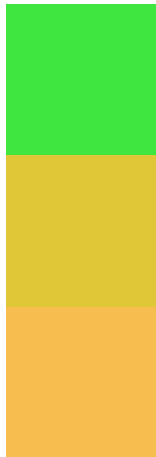


This preview shows how white text looks on a background with the XYZ color 31.3366, 58.0538,

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

31.3366, 58.0538, 14.4044

Protanopia

51.5687, 56.8203, 11.9908

Deuteranopia

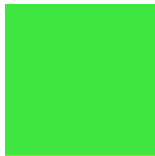
57.9667, 56.7339, 15.2927



Tritanopia

45.4215, 57.8066, 85.1078

Trichromacy



Original Color

31.3366, 58.0538, 14.4044



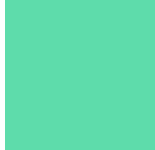
Protanomaly

39.3531, 54.4083, 12.5654



Deuteranomaly

41.6513, 53.3834, 14.5873



Tritanomaly

37.5600, 56.5064, 47.4553

Monochromacy



Original Color

31.3366, 58.0538, 14.4044



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

29.9290, 41.0598, 26.0866

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3366, 58.0538, 14.4044 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(64, 230, 64)` looks like.

```
.text, #text, p{  
    color:rgb(64, 230, 64)  
}
```

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(64, 230, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 230, 64) }
```

Border

The CSS property to change the border of an element to XYZ 31.3366, 58.0538, 14.4044 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(64, 230, 64) }
```


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

```
.border{ border-color:rgb(64, 230, 64) }
```

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

Here you see how a box with a 4 pixel rgb(64, 230, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 230, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 230, 64);  
box-shadow:4px 4px 4px 4px rgb(64, 230,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3366, 58.0538, 14.4044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 230, 64) }
```

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

```
.background{ background-color: rgb(64, 230,  
64) }
```

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