

Converting Colors

XYZ(31.1152, 56.6425, 16.4052)

Have a look what the booklet for
XYZ(31.1152, 56.6425, 16.4052)
contains.

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Color

**XYZ(31.1234, 56.6673,
16.3187)**

Conversions

Conversions Part 1

Format	Color
Hex	43E34D
RGB	67, 227, 77
RGB Percent	26%, 89%, 30%
CMY	0.7373, 0.1098, 0.6980
CMYK	0.70, 0.00, 0.66, 0.11
HSL	124°, 74%, 58%
HSV	124°, 70%, 89%
XYZ	31.1234, 56.6673, 16.3187
YIQ	162.0600, -47.2100, -80.5700

Conversions

Conversions Part 2

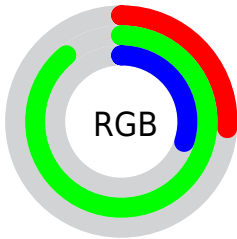
Format	Color
RYB	67, 218, 227
Decimal	4449101
CIELab	79.99, -69.13, 59.27
CIELCh	80, 91.058, 139.392
Yxy	56.6673, 0.2989, 0.5443
Android (android.graphics.Color)	4282639181 (0xFF43E34D)
YUV	162.0600, -41.9346, -83.3676
Hunter-Lab	75.2777, -57.9355, 39.8415

Details

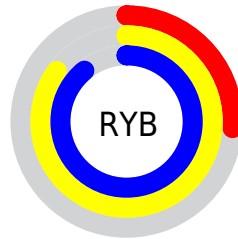
The XYZ color **31.1234, 56.6673, 16.3187** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **46.2115, 25.3558, 68.1044**, and the grayscale version is **34.5783, 36.3791, 39.6168**.

A 20% lighter version of the original color is **50.0782, 78.4202, 34.3270**, and **14.4295, 28.7714, 5.0801** is the 20% darker color. If you saturate the color by 10%, you get **29.2290, 55.7654, 12.9293**, and if you desaturate by 10%, it is **33.8758, 57.9864, 21.0333**.

Distribution



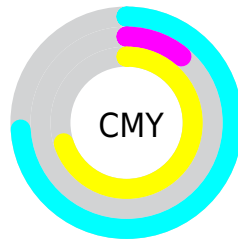
- Red (26%)
- Green (89%)
- Blue (30%)



- Red (26%)
- Yellow (85%)
- Blue (89%)



- Cyan (70%)
- Magenta (0%)
- Yellow (66%)
- Black (11%)



- Cyan (74%)
- Magenta (11%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1234, 56.6673, 16.3187 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 31.1234, 56.6673, 16.3187 by changing the saturation by 10% instead.

31.1234, 56.6673,
16.3187

31.1234, 56.6673,
16.3187

298.9232,
412.2015, 243.1246

20.8451, 40.7382,
9.5932

60.8088, 99.9796,
37.9251

13.1227, 28.1146,
5.0280

80.9467, 128.1315,
53.6430

7.5906, 18.4120,
2.2047

105.1018,
161.1265, 73.1954

3.8837, 11.2462,
0.6771

133.6394,
199.3490, 97.0009

1.6366, 6.2327,
0.0000

166.9251,
243.1834, 125.4781

0.4161, 2.9871,
0.0000

205.3240,

0.0000, 1.1250,

293.0139, 159.0454

0.0000

249.2016,
349.2252, 198.1214

■ 0.0000, 0.0000,
0.0000

■ 31.1234, 56.6673,
16.3187

■ 31.1234, 56.6673,
16.3187

■ 29.2290, 55.7654,
12.9293

■ 33.8758, 57.9864,
21.0333

■ 28.0875, 55.2246,
10.7261


■ 37.5675, 59.7572,
27.1861


■ 27.5508, 54.9727,
9.5811


■ 42.2748, 62.0184,
34.8828


■ 48.0651, 64.8028,
44.2176

■ 55.0000, 68.1402,
55.2776

 63.1365, 72.0584,
68.1436

 72.5278, 76.5831,
82.8912

 83.2239, 81.7386,
99.5919

 86.7602, 83.4204,
106.1367

Harmonies

Analogous

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



42.8953, 56.6673, 6.8676



31.1234, 56.6673, 16.3187



25.9238, 56.6673, 44.7880

Triad

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



31.1234, 56.6673, 16.3187



47.5760, 56.6673, 225.6922



94.8481, 56.6673, 33.6878

Complementary

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



31.1234, 56.6673, 16.3187



46.2115, 25.3558, 68.1044

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.



96.9186, 56.6673, 82.4117



31.1234, 56.6673, 16.3187



66.5513, 56.6673, 216.2432

Square

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



31.1234, 56.6673, 16.3187



33.8724, 56.6673, 175.8071



85.6186, 56.6673, 154.5582



80.4795, 56.6673, 12.1830

Rectangle

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



31.1234, 56.6673, 16.3187



25.8434, 56.6673, 79.8572



85.6186, 56.6673, 154.5582



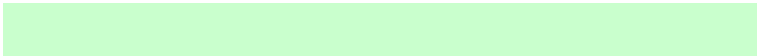
97.1126, 56.6673, 46.5292

Sweetspot

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



31.1248, 56.6697, 16.3200



70.9636, 88.3980, 70.9523



57.6980, 70.4064, 15.8591



14.6252, 18.6494, 14.2898



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.



31.1248, 56.6697, 16.3200



37.1840, 72.1830, 15.1984



35.7016, 58.5004, 40.4216



14.2257, 16.1037, 15.4532



16.0814, 32.0647, 5.6630



1.2013, 2.3746, 0.4866

Inverse Universe

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



46.2115, 25.3558, 68.1044



57.8854, 29.0400, 86.1249



38.3475, 22.2101, 26.6929



14.9542, 14.5989, 17.9590



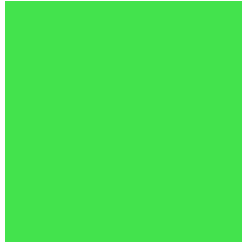
25.4815, 12.3268, 37.7603



1.8949, 0.9157, 2.8528

Previews

White Background



This preview shows how the XYZ color 31.1234, 56.6673, 16.3187 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 31.1234, 56.6673, 16.3187 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 31.1234, 56.6673, 16.3187

Background



This preview shows how black text looks on a background with the XYZ color 31.1234, 56.6673, 16.3187.



This preview shows how white text looks on a background with the XYZ color 31.1234, 56.6673,

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

31.1234, 56.6673, 16.3187

Protanopia

50.5556, 55.5778, 13.6932

Deuteranopia

56.5779, 55.3335, 17.3713



Tritanopia

44.1167, 56.0591, 82.6240

Trichromacy



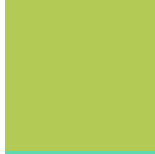
Original Color

31.1234, 56.6673, 16.3187



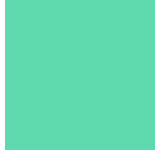
Protanomaly

39.0354, 53.4721, 14.3947



Deuteranomaly

41.3506, 52.4806, 16.5447



Tritanomaly

37.0689, 55.0614, 48.7186

Monochromacy



Original Color

31.1234, 56.6673, 16.3187



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

30.4080, 41.2685, 27.8357

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1234, 56.6673, 16.3187 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(67, 227, 77)` looks like.

```
.text, #text, p{  
    color:rgb(67, 227, 77)  
}
```

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(67, 227, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 227, 77) }
```

Border

The CSS property to change the border of an element to XYZ 31.1234, 56.6673, 16.3187 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(67, 227, 77) }
```


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

```
.border{ border-color:rgb(67, 227, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 227, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 227, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 227, 77);  
box-shadow:4px 4px 4px 4px rgb(67, 227,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1234, 56.6673, 16.3187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 227, 77) }
```

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

```
.background{ background-color: rgb(67, 227,  
77) }
```

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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