

Converting Colors

XYZ(31.0550, 46.0220, 16.3221)

Have a look what the booklet for
XYZ(31.0550, 46.0220, 16.3221)
contains.

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Color

**XYZ(31.0458, 46.1242,
16.2834)**

Conversions

Conversions Part 1

Format	Color
Hex	80C757
RGB	128, 199, 87
RGB Percent	50%, 78%, 34%
CMY	0.4980, 0.2196, 0.6588
CMYK	0.36, 0.00, 0.56, 0.22
HSL	98°, 50%, 56%
HSV	98°, 56%, 78%
XYZ	31.0458, 46.1242, 16.2834
YIQ	165.0030, -6.3640, -49.8840

Conversions

Conversions Part 2

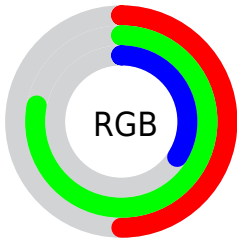
Format	Color
RYB	87, 199, 158
Decimal	8439639
CIELab	73.63, -41.98, 48.37
CIElCh	74, 64.043, 130.953
Yxy	46.1242, 0.3322, 0.4936
Android (android.graphics.Color)	4286629719 (0xFF80C757)
YUV	165.0030, -38.4555, -32.4516
Hunter-Lab	67.9148, -37.2534, 33.3249

Details

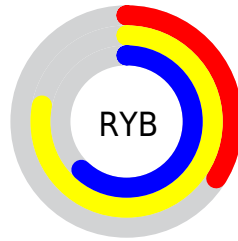
The XYZ color **31.0458, 46.1242, 16.2834** is a dark color, and the websafe version is hex **99CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **27.8198, 18.2105, 56.0842**, and the grayscale version is **35.9475, 37.8196, 41.1856**.

A 20% lighter version of the original color is **60.2608, 83.6038, 37.7720**, and **13.0096, 21.4785, 4.9735** is the 20% darker color. If you saturate the color by 10%, you get **28.5614, 44.9262, 12.4927**, and if you desaturate by 10%, it is **33.9925, 47.5375, 21.2674**.

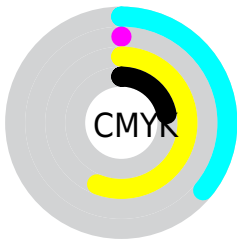
Distribution



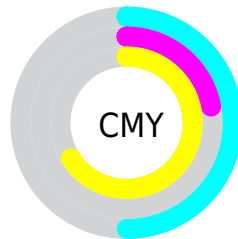
- Red (50%)
- Green (78%)
- Blue (34%)



- Red (34%)
- Yellow (78%)
- Blue (62%)



- Cyan (36%)
- Magenta (0%)
- Yellow (56%)
- Black (22%)



- Cyan (50%)
- Magenta (22%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0458, 46.1242, 16.2834 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 31.0458, 46.1242, 16.2834 by changing the saturation by 10% instead.

■ 31.0458, 46.1242,
16.2834

■ 31.0458, 46.1242,
16.2834

298.5724,
371.3077, 242.9108

■ 20.7857, 32.3438,
9.5684

■ 60.6875, 84.4048,
37.8631

■ 13.0790, 21.6243,
5.0119

■ 80.7999, 109.6739,
53.5649

■ 7.5604, 13.5811,
2.1954

■ 104.9270,
139.5414, 73.0994

■ 3.8644, 7.8299,
0.6717

■ 133.4344,
174.3915, 96.8851

■ 1.6257, 3.9863,
0.0000

166.6872,
214.6089, 125.3405

■ 0.4091, 1.6659,
0.0000

205.0509,

■ 0.0000, 0.4014,

260.5778, 158.8842

0.0000

248.8909,
312.6826, 197.9348

■ 0.0000, 0.0000,
0.0000

■ 31.0458, 46.1242,
16.2834

■ 31.0458, 46.1242,
16.2834

■ 28.5614, 44.9262,
12.4927

■ 33.9925, 47.5375,
21.2674

■ 26.5085, 43.9255,
9.7921

■ 37.4231, 49.1709,
27.5303

■ 24.8570, 43.1106,
8.0664

■ 41.3618, 51.0367,
35.1534

■ 23.5689, 42.4652,
7.1669

■ 45.8298, 53.1443,
44.2104

■ 23.1602, 42.2592,
6.9362

■ 50.8473, 55.5023,
54.7696

■ 56.4331, 58.1193,
66.8951

■ 62.6053, 61.0033,
80.6471

■ 69.3811, 64.1617,
96.0828

■ 74.9363, 66.8656,
103.5645

Harmonies

Analogous

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



39.8262, 46.1242, 10.4782



31.0458, 46.1242, 16.2834



26.2913, 46.1242, 32.4756

Triad

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



31.0458, 46.1242, 16.2834



37.1024, 46.1242, 135.3861



68.9183, 46.1242, 39.2672

Complementary

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



31.0458, 46.1242, 16.2834



27.8198, 18.2105, 56.0842

Split Complementary

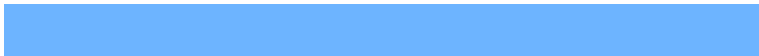
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



67.8469, 46.1242, 73.4794



31.0458, 46.1242, 16.2834



48.1141, 46.1242, 139.8530

Square

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



31.0458, 46.1242, 16.2834



29.3487, 46.1242, 103.2719



59.7390, 46.1242, 113.6817



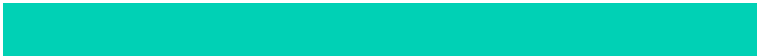
62.4539, 46.1242, 19.4055

Rectangle

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



31.0458, 46.1242, 16.2834



25.4536, 46.1242, 51.2669



59.7390, 46.1242, 113.6817



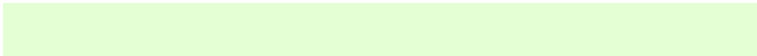
69.4525, 46.1242, 49.1902

Sweetspot

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



31.0469, 46.1262, 16.2844



79.4417, 92.6710, 75.7564



37.4909, 37.2632, 14.2340



16.6500, 19.6687, 15.4893



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.



31.0469, 46.1262, 16.2844



48.9574, 78.1493, 20.4071



26.7503, 43.8333, 19.6047



10.8580, 12.0737, 11.3209



14.9804, 27.2180, 4.4640



0.7888, 1.3297, 0.2151

Inverse Universe

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



27.8198, 18.2105, 56.0842



42.6564, 24.3395, 97.0575



35.6219, 22.4233, 47.8370



10.6921, 10.6151, 13.4029



12.2755, 5.5625, 35.1710



0.6589, 0.3034, 1.6690

Previews

White Background



This preview shows how the XYZ color 31.0458, 46.1242, 16.2834 looks on a white background.

Color Contrast Check

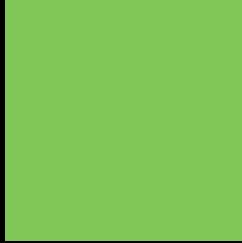
Large Text (above 18pt) WCAG AA × Fail

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 31.0458, 46.1242, 16.2834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

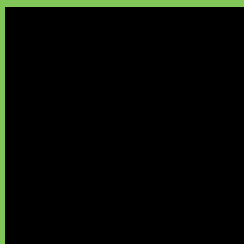
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.0458, 46.1242, 16.2834

Background



This preview shows how black text looks on a background with the XYZ color 31.0458, 46.1242, 16.2834.



This preview shows how white text looks on a background with the XYZ color 31.0458, 46.1242,

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

31.0458, 46.1242, 16.2834

Protanopia

41.6259, 45.5160, 14.3761

Deuteranopia

46.5917, 45.6854, 16.9522



Tritanopia

40.2851, 45.9159, 62.6165

Trichromacy



Original Color

31.0458, 46.1242, 16.2834

Protanomaly

36.7872, 45.1639, 14.9622

Deuteranomaly

39.1098, 44.7760, 16.4789

Tritanomaly

35.6234, 45.2886, 40.1217

Monochromacy



Original Color

31.0458, 46.1242, 16.2834

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

33.1864, 39.9258, 29.6243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0458, 46.1242, 16.2834 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(128, 199, 87)` looks like.

```
.text, #text, p{  
    color:rgb(128, 199, 87)  
}
```

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(128, 199, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 199, 87) }
```

Border

The CSS property to change the border of an element to XYZ 31.0458, 46.1242, 16.2834 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(128, 199, 87) }
```


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

```
.border{ border-color:rgb(128, 199, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 199, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 199, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 199, 87);  
box-shadow:4px 4px 4px 4px rgb(128, 199,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0458, 46.1242, 16.2834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 199, 87) }
```

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

```
.background{ background-color: rgb(128,  
199, 87) }
```

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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