

Converting Colors

XYZ(31.5540, 47.8976, 27.3897)

Have a look what the booklet for
XYZ(31.5540, 47.8976, 27.3897)
contains.

XYZ(31.5431, 47.8802, 27.3180)	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(31.5431, 47.8802,
27.3180)**

Conversions

Conversions Part 1

Format	Color
Hex	6CCC7E
RGB	108, 204, 126
RGB Percent	42%, 80%, 49%
CMY	0.5765, 0.2000, 0.5059
CMYK	0.47, 0.00, 0.38, 0.20
HSL	131°, 48%, 61%
HSV	131°, 47%, 80%
XYZ	31.5431, 47.8802, 27.3180
YIQ	166.4040, -32.1780, -44.6100

Conversions

Conversions Part 2

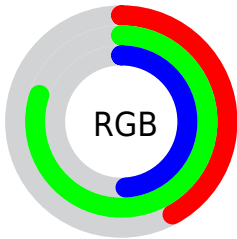
Format	Color
RYB	108, 189, 204
Decimal	7130238
CIELab	74.75, -44.99, 30.32
CIELCh	75, 54.253, 146.020
Yxy	47.8802, 0.2955, 0.4486
Android (android.graphics.Color)	4285320318 (0xFF6CCC7E)
YUV	166.4040, -19.9192, -51.2203
Hunter-Lab	69.1955, -39.7221, 25.0295

Details

The XYZ color **31.5431, 47.8802, 27.3180** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **39.1288, 27.1086, 49.6261**, and the grayscale version is **36.5468, 38.4500, 41.8721**.

A 20% lighter version of the original color is **59.2065, 82.6672, 55.4837**, and **13.3673, 22.6948, 10.5135** is the 20% darker color. If you saturate the color by 10%, you get **28.3640, 46.3562, 22.0415**, and if you desaturate by 10%, it is **35.4824, 49.7783, 33.5572**.

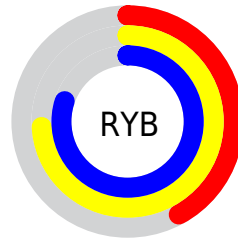
Distribution



Red (42%)

Green (80%)

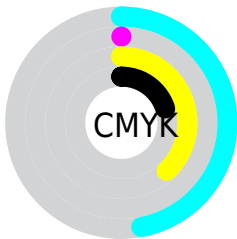
Blue (49%)



Red (42%)

Yellow (74%)

Blue (80%)

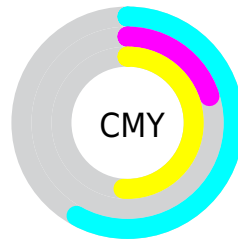


Cyan (47%)

Magenta (0%)

Yellow (38%)

Black (20%)



Cyan (58%)

Magenta (20%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.5431, 47.8802, 27.3180 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 31.5431, 47.8802, 27.3180 by changing the saturation by 10% instead.


 31.5431, 47.8802,
27.3180


 31.5431, 47.8802,
27.3180


300.8150,
378.3171, 303.0023


 21.1666, 33.7320,
17.5776


 61.4642, 87.0260,
56.4037

 13.3590, 22.6878,
10.4809


 81.7394, 112.7924,
76.5861

 7.7549, 14.3632,
5.6092

 106.0450,
143.2004, 101.0862

 3.9890, 8.3737,
2.5440

134.7463,
178.6343, 130.3227

 1.6959, 4.3350,
0.8634

168.2086,
219.4785, 164.7139

 0.4537, 1.8627,
0.0000

206.7972,

 0.0000, 0.5258,

266.1174, 204.6786

0.0000

250.8776,
318.9355, 250.6352

0.0000, 0.0000,
0.0000

31.5431, 47.8802,
27.3180

31.5431, 47.8802,
27.3180

28.3640, 46.3562,
22.0415

35.4824, 49.7783,
33.5572

25.8915, 45.1756,
17.6767

40.2234, 52.0670,
40.8004

24.0710, 44.3128,
14.1726


45.8090, 54.7688,
49.0903


22.8378, 43.7356,
11.4718


52.2780, 57.9028,
58.4665


22.1072, 43.4016,
9.5098

59.6666, 61.4871,
68.9661

 21.9477, 43.3291,
9.0617

 68.0092, 65.5384,
80.6247

 77.3382, 70.0729,
93.4763

 80.8838, 71.6675,
104.1779

Harmonies

Analogous

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



37.6969, 47.8802, 17.0074



31.5431, 47.8802, 27.3180



29.1116, 47.8802, 48.4593

Triad

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



31.5431, 47.8802, 27.3180



44.2070, 47.8802, 127.1054



64.7344, 47.8802, 31.7783

Complementary

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



31.5431, 47.8802, 27.3180



39.1288, 27.1086, 49.6261

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.



67.1333, 47.8802, 55.9887



31.5431, 47.8802, 27.3180



54.3313, 47.8802, 117.6306

Square

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



31.5431, 47.8802, 27.3180



35.7246, 47.8802, 111.2735



63.0862, 47.8802, 88.6968



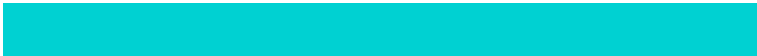
56.9337, 47.8802, 18.8542

Rectangle

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



31.5431, 47.8802, 27.3180



29.6266, 47.8802, 68.5777



63.0862, 47.8802, 88.6968



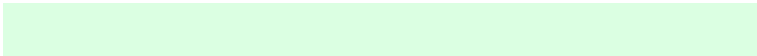
66.2435, 47.8802, 38.5535

Sweetspot

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



31.5443, 47.8822, 27.3191



78.7904, 92.1173, 85.5749



44.6485, 54.7600, 22.4042



16.3856, 19.4851, 17.6176



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.



31.5443, 47.8822, 27.3191



47.1260, 76.8413, 36.7649



35.3796, 49.4163, 47.5154



11.1526, 12.5708, 12.3608



13.8392, 27.2810, 5.8381



0.7404, 1.4180, 0.4406

Inverse Universe

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



39.1288, 27.1086, 49.6261



61.0910, 38.5064, 77.7747



34.8822, 25.4100, 27.2638



11.5938, 11.3663, 13.6616



20.0236, 9.8200, 23.6405



1.0569, 0.5162, 1.3456

Previews

White Background



This preview shows how the XYZ color 31.5431, 47.8802, 27.3180 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 31.5431, 47.8802, 27.3180 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 31.5431, 47.8802, 27.3180

Background



This preview shows how black text looks on a background with the XYZ color 31.5431, 47.8802, 27.3180.



This preview shows how white text looks on a background with the XYZ color 31.5431, 47.8802,

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

31.5431, 47.8802, 27.3180

Protanopia

43.6976, 47.2934, 23.6551

Deuteranopia

48.1789, 47.1051, 28.7432



Tritanopia

39.6770, 47.7487, 68.0980

Trichromacy



Original Color

31.5431, 47.8802, 27.3180



Protanomaly

37.7469, 46.7247, 24.7986



Deuteranomaly

39.7196, 46.0766, 27.9193



Tritanomaly

36.0765, 47.6359, 49.9410

Monochromacy



Original Color

31.5431, 47.8802, 27.3180



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

33.5842, 40.8966, 35.4019

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5431, 47.8802, 27.3180 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(108, 204, 126)` looks like.

```
.text, #text, p{  
    color:rgb(108, 204, 126)  
}
```

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(108, 204, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 204, 126) }
```

Border

The CSS property to change the border of an element to XYZ 31.5431, 47.8802, 27.3180 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(108, 204, 126) }
```


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

```
.border{ border-color:rgb(108, 204, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 204, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 204, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 204, 126);  
box-shadow:4px 4px 4px 4px rgb(108, 204,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5431, 47.8802, 27.3180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 204, 126) }
```

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

```
.background{ background-color: rgb(108,  
204, 126) }
```

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