

Converting Colors

XYZ(31.6466, 47.1587, 21.8414)

Have a look what the booklet for
XYZ(31.6466, 47.1587, 21.8414)
contains.

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Color

**XYZ(31.5321, 46.9424,
21.8669)**

Conversions

Conversions Part 1

Format	Color
Hex	79C96D
RGB	121, 201, 109
RGB Percent	47%, 79%, 43%
CMY	0.5255, 0.2117, 0.5725
CMYK	0.40, 0.00, 0.46, 0.21
HSL	112°, 46%, 61%
HSV	112°, 46%, 79%
XYZ	31.5321, 46.9424, 21.8669
YIQ	166.5920, -18.1480, -45.5720

Conversions

Conversions Part 2

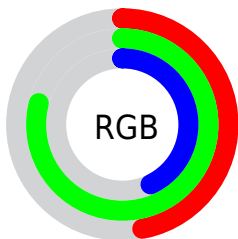
Format	Color
RYB	109, 201, 189
Decimal	7981421
CIELab	74.15, -42.46, 38.31
CIElCh	74, 57.190, 137.937
Yxy	46.9424, 0.3142, 0.4678
Android (android.graphics.Color)	4286171501 (0xFF79C96D)
YUV	166.5920, -28.3929, -39.9842
Hunter-Lab	68.5145, -37.7502, 29.0373

Details

The XYZ color **31.5321, 46.9424, 21.8669** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **36.9999, 25.9748, 58.3244**, and the grayscale version is **36.6731, 38.5829, 42.0168**.

A 20% lighter version of the original color is **60.4130, 83.4757, 47.1107**, and **13.3151, 22.0318, 7.6885** is the 20% darker color. If you saturate the color by 10%, you get **28.3402, 45.4093, 16.7009**, and if you desaturate by 10%, it is **35.4177, 48.8072, 28.3588**.

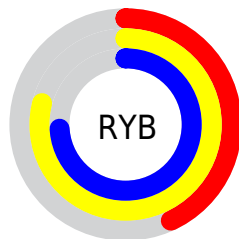
Distribution



Red (47%)

Green (79%)

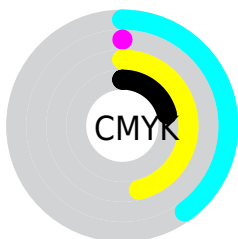
Blue (43%)



Red (43%)

Yellow (79%)

Blue (74%)

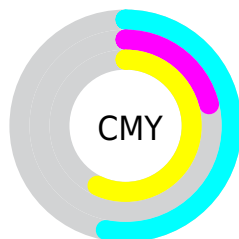


Cyan (40%)

Magenta (0%)

Yellow (46%)

Black (21%)



Cyan (53%)

Magenta (21%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5321, 46.9424, 21.8669 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 31.5321, 46.9424, 21.8669 by changing the saturation by 10% instead.

■ 31.5321, 46.9424,
21.8669

■ 31.5321, 46.9424,
21.8669

300.7656,
374.5846, 274.7812

■ 21.1582, 32.9901,
13.5618

■ 61.4470, 85.6276,
47.4253

■ 13.3528, 22.1189,
7.6812

■ 81.7187, 111.1294,
65.5156

■ 7.7506, 13.9443,
3.8068

■ 106.0204,
141.2497, 87.7047

■ 3.9862, 8.0819,
1.5200

■ 134.7173,
176.3731, 114.4112

■ 1.6944, 4.1474,
0.2327

168.1750,
216.8839, 146.0535

■ 0.4527, 1.7564,
0.0000

206.7587,

■ 0.0000, 0.4598,

263.1665, 183.0503

0.0000

250.8337,
315.6052, 225.8200

■ 0.0000, 0.0000,
0.0000

■ 31.5321, 46.9424,
21.8669

■ 31.5321, 46.9424,
21.8669

■ 28.3402, 45.4093,
16.7009

■ 35.4177, 48.8072,
28.3588

■ 25.7973, 44.1829,
12.7665

■ 40.0310, 51.0155,
36.2561

■ 23.8590, 43.2438,
9.9622


■ 45.4082, 53.5855,
45.6356


■ 22.4739, 42.5680,
8.1686


■ 51.5819, 56.5326,
56.5678


■ 21.5809, 42.1273,
7.2380

■ 58.5828, 59.8711,
69.1184

 21.3191, 41.9977,
6.9827

 66.4401, 63.6149,
83.3496

 75.1815, 67.7768,
99.3203

 80.1776, 70.2552,
103.9425

Harmonies

Analogous

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



38.8213, 46.9424, 14.0336



31.5321, 46.9424, 21.8669



27.9926, 46.9424, 40.2054

Triad

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



31.5321, 46.9424, 21.8669



40.6259, 46.9424, 128.5159



66.1059, 46.9424, 35.6316

Complementary

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



31.5321, 46.9424, 21.8669



36.9999, 25.9748, 58.3244

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.



66.7873, 46.9424, 63.8323



31.5321, 46.9424, 21.8669



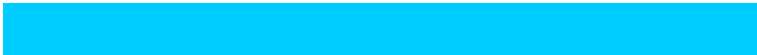
50.9634, 46.9424, 125.7686

Square

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



31.5321, 46.9424, 21.8669



32.6784, 46.9424, 105.4801



60.8985, 46.9424, 98.9908



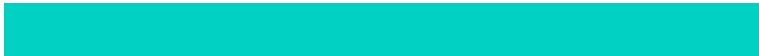
59.1588, 46.9424, 19.6268

Rectangle

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



31.5321, 46.9424, 21.8669



27.8125, 46.9424, 59.3054



60.8985, 46.9424, 98.9908



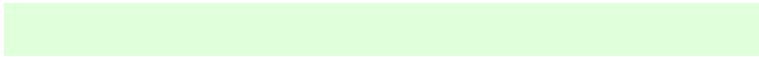
67.1100, 46.9424, 43.7108

Sweetspot

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



31.5333, 46.9444, 21.8679



79.3124, 92.4905, 80.8973



44.9901, 49.8046, 21.7107



16.5104, 19.5743, 16.4960



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.



31.5333, 46.9444, 21.8679



48.5192, 77.7418, 28.5928



32.1326, 47.0018, 33.2608



10.6239, 11.9531, 11.3100



13.4480, 26.4280, 4.3923



0.6801, 1.2737, 0.2100

Inverse Universe

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



36.9999, 25.9748, 58.3244



58.9808, 37.3793, 98.7140



36.5575, 26.1560, 39.8122



10.9418, 10.7438, 13.4146



17.7700, 8.3950, 35.4282



0.8803, 0.4175, 1.6793

Previews

White Background



This preview shows how the XYZ color 31.5321, 46.9424, 21.8669 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 31.5321, 46.9424, 21.8669 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 31.5321, 46.9424, 21.8669

Background



This preview shows how black text looks on a background with the XYZ color 31.5321, 46.9424, 21.8669.



This preview shows how white text looks on a background with the XYZ color 31.5321, 46.9424,

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

31.5321, 46.9424, 21.8669

Protanopia

42.4753, 46.1492, 19.2394

Deuteranopia

47.3094, 46.2082, 22.9486



Tritanopia

40.0804, 46.7237, 64.6637

Trichromacy



Original Color

31.5321, 46.9424, 21.8669

Protanomaly

37.3276, 45.6443, 20.2075

Deuteranomaly

39.4426, 45.1265, 22.2542

Tritanomaly

36.0632, 46.3914, 45.0839

Monochromacy



Original Color

31.5321, 46.9424, 21.8669

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

33.8861, 40.7996, 33.2832

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5321, 46.9424, 21.8669 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(121, 201, 109)` looks like.

```
.text, #text, p{  
    color:rgb(121, 201, 109)  
}
```

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(121, 201, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 201, 109) }
```

Border

The CSS property to change the border of an element to XYZ 31.5321, 46.9424, 21.8669 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(121, 201, 109) }
```


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

```
.border{ border-color:rgb(121, 201, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 201, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(121, 201, 109); -webkit-box-shadow:4px 4px 4px 4px rgb(121, 201, 109); box-shadow:4px 4px 4px 4px rgb(121, 201, 109) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5321, 46.9424, 21.8669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 201, 109) }
```

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

```
.background{ background-color: rgb(121,  
201, 109) }
```

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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