

Converting Colors

XYZ(31.3725, 46.9351, 20.7317)

Have a look what the booklet for
XYZ(31.3725, 46.9351, 20.7317)
contains.

XYZ(31.3216, 46.8582, 20.7583)	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(31.3216, 46.8582,
20.7583)**

Conversions

Conversions Part 1

Format	Color
Hex	79C969
RGB	121, 201, 105
RGB Percent	47%, 79%, 41%
CMY	0.5255, 0.2117, 0.5882
CMYK	0.40, 0.00, 0.48, 0.21
HSL	110°, 47%, 60%
HSV	110°, 48%, 79%
XYZ	31.3216, 46.8582, 20.7583
YIQ	166.1360, -16.8640, -46.8160

Conversions

Conversions Part 2

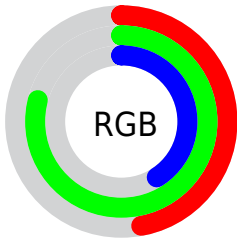
Format	Color
RYB	105, 201, 185
Decimal	7981417
CIELab	74.10, -43.00, 40.23
CIELCh	74, 58.887, 136.901
Yxy	46.8582, 0.3166, 0.4736
Android (android.graphics.Color)	4286171497 (0xFF79C969)
YUV	166.1360, -30.1400, -39.5843
Hunter-Lab	68.4530, -38.1178, 29.9375

Details

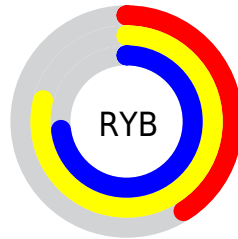
The XYZ color **31.3216, 46.8582, 20.7583** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **35.6041, 24.6360, 58.1396**, and the grayscale version is **36.4594, 38.3581, 41.7720**.

A 20% lighter version of the original color is **60.0630, 83.3357, 45.2675**, and **13.2152, 21.9919, 7.1628** is the 20% darker color. If you saturate the color by 10%, you get **28.2613, 45.3876, 15.8451**, and if you desaturate by 10%, it is **35.0360, 48.6406, 26.9785**.

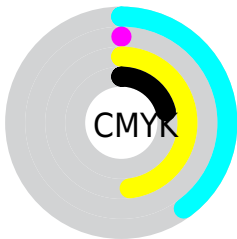
Distribution



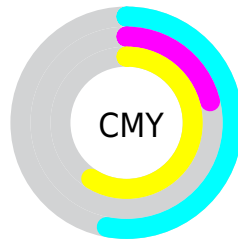
- Red (47%)
- Green (79%)
- Blue (41%)



- Red (41%)
- Yellow (79%)
- Blue (73%)



- Cyan (40%)
- Magenta (0%)
- Yellow (48%)
- Black (21%)



- Cyan (53%)
- Magenta (21%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3216, 46.8582, 20.7583 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 31.3216, 46.8582, 20.7583 by changing the saturation by 10% instead.

■ 31.3216, 46.8582,
20.7583

■ 31.3216, 46.8582,
20.7583

299.8177,
374.2482, 268.7299

■ 20.9969, 32.9236,
12.7579

■ 61.1184, 85.5019,
45.5605

■ 13.2342, 22.0679,
7.1333

■ 81.3213, 110.9798,
63.1994

■ 7.6681, 13.9068,
3.4659

■ 105.5476,
141.0742, 84.8882

■ 3.9333, 8.0559,
1.3372

■ 134.1626,
176.1696, 111.0455

■ 1.6645, 4.1307,
0.0920

167.5318,
216.6503, 142.0897

■ 0.4339, 1.7470,
0.0000

206.0205,

■ 0.0000, 0.4538,

262.9007, 178.4395

0.0000

249.9940,
315.3052, 220.5134

■ 0.0000, 0.0000,
0.0000

■ 31.3216, 46.8582,
20.7583

■ 31.3216, 46.8582,
20.7583

■ 28.2613, 45.3876,
15.8451

■ 35.0360, 48.6406,
26.9785

■ 25.8132, 44.2049,
12.1429

■ 39.4364, 50.7453,
34.5867

■ 23.9356, 43.2925,
9.5473


■ 44.5566, 53.1893,
43.6607


■ 22.5800, 42.6279,
7.9352


■ 50.4273, 55.9870,
54.2718


■ 21.6841, 42.1830,
7.1285

■ 57.0773, 59.1517,
66.4867

 21.5308, 42.1068,
6.9926

 64.5339, 62.6962,
80.3680

 72.8231, 66.6326,
95.9752

 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.



38.9032, 46.8582, 13.2061



31.3216, 46.8582, 20.7583



27.5756, 46.8582, 38.9686

Triad

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



31.3216, 46.8582, 20.7583



40.1019, 46.8582, 130.9657



66.8701, 46.8582, 35.9429

Complementary

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



31.3216, 46.8582, 20.7583



35.6041, 24.6360, 58.1396

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.



67.3274, 46.8582, 65.3319



31.3216, 46.8582, 20.7583



50.6908, 46.8582, 129.1063

Square

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



31.3216, 46.8582, 20.7583



32.0794, 46.8582, 106.1957



61.0287, 46.8582, 101.8188



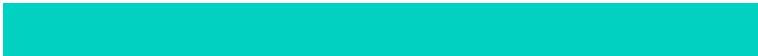
59.8634, 46.8582, 19.2990

Rectangle

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



31.3216, 46.8582, 20.7583



27.3002, 46.8582, 58.3150



61.0287, 46.8582, 101.8188



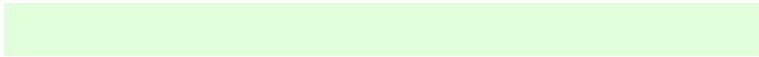
67.8296, 46.8582, 44.3614

Sweetspot

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



31.3228, 46.8602, 20.7593



79.7148, 92.6979, 80.9162



43.9882, 48.1376, 20.3384



16.6071, 19.6242, 16.5006



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.



31.3228, 46.8602, 20.7593



48.3664, 77.6959, 27.0998



31.2292, 46.5849, 31.0139



10.6594, 11.9714, 11.3117



13.5899, 26.5012, 4.3990



0.6963, 1.2821, 0.2108

Inverse Universe

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



35.6041, 24.6360, 58.1396



56.4719, 35.2486, 98.4350



36.3021, 25.3865, 40.5247



10.9029, 10.7237, 13.4127



16.7829, 7.8861, 35.3820



0.8421, 0.3978, 1.6776

Previews

White Background



This preview shows how the XYZ color 31.3216, 46.8582, 20.7583 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 31.3216, 46.8582, 20.7583 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 31.3216, 46.8582, 20.7583

Background



This preview shows how black text looks on a background with the XYZ color 31.3216, 46.8582, 20.7583.



This preview shows how white text looks on a background with the XYZ color 31.3216, 46.8582,

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

31.3216, 46.8582, 20.7583

Protanopia

42.2817, 46.0717, 18.2195

Deuteranopia

47.0816, 46.1171, 21.7492



Tritanopia

40.0804, 46.7237, 64.6637

Trichromacy



Original Color

31.3216, 46.8582, 20.7583



Protanomaly

37.1268, 45.5640, 19.1499



Deuteranomaly

39.2222, 45.0384, 21.0940



Tritanomaly

35.9689, 46.3537, 44.5875

Monochromacy



Original Color

31.3216, 46.8582, 20.7583



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

33.7318, 40.7378, 32.4709

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3216, 46.8582, 20.7583 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, 105)` looks like.

```
.text, #text, p{  
    color:rgb(121, 201, 105)  
}
```

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, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 201, 105) }
```

Border

The CSS property to change the border of an element to XYZ 31.3216, 46.8582, 20.7583 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, 105) }
```


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

```
.border{ border-color:rgb(121, 201, 105) }
```

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, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 201, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 201, 105);  
box-shadow:4px 4px 4px 4px rgb(121, 201,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3216, 46.8582, 20.7583 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, 105) }
```

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

```
.background{ background-color: rgb(121,  
201, 105) }
```

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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