

Converting Colors

XYZ(29.2790, 46.7039, 19.9283)

Have a look what the booklet for
XYZ(29.2790, 46.7039, 19.9283)
contains.

XYZ(29.4706, 46.9698, 20.0832)	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(29.4706, 46.9698,
20.0832)**

Conversions

Conversions Part 1

Format	Color
Hex	66CC66
RGB	102, 204, 102
RGB Percent	40%, 80%, 40%
CMY	0.6000, 0.2000, 0.6000
CMYK	0.50, 0.00, 0.50, 0.20
HSL	120°, 50%, 60%
HSV	120°, 50%, 80%
XYZ	29.4706, 46.9698, 20.0832
YIQ	161.8740, -28.0500, -53.3460

Conversions

Conversions Part 2

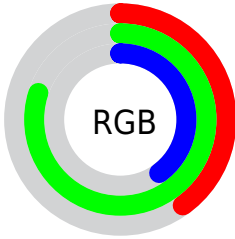
Format	Color
RYB	102, 204, 204
Decimal	6736998
CIELab	74.17, -50.25, 41.62
CIELCh	74, 65.246, 140.366
Yxy	46.9698, 0.3053, 0.4866
Android (android.graphics.Color)	4284927078 (0xFF66CC66)
YUV	161.8740, -29.5179, -52.5095
Hunter-Lab	68.5345, -43.1784, 30.6000

Details

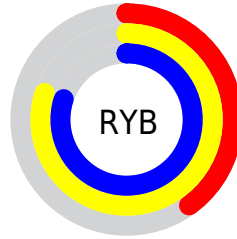
The XYZ color **29.4706, 46.9698, 20.0832** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **40.5536, 26.7005, 60.1440**, and the grayscale version is **34.4279, 36.2208, 39.4444**.

A 20% lighter version of the original color is **55.9745, 81.2575, 43.7444**, and **12.2201, 22.1850, 6.7700** is the 20% darker color. If you saturate the color by 10%, you get **26.5467, 45.5667, 15.2998**, and if you desaturate by 10%, it is **33.2146, 48.7696, 26.2064**.

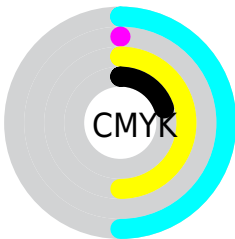
Distribution



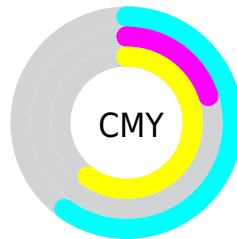
- Red (40%)
- Green (80%)
- Blue (40%)



- Red (40%)
- Yellow (80%)
- Blue (80%)



- Cyan (50%)
- Magenta (0%)
- Yellow (50%)
- Black (20%)



- Cyan (60%)
- Magenta (20%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4706, 46.9698, 20.0832 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 29.4706, 46.9698, 20.0832 by changing the saturation by 10% instead.

■ 29.4706, 46.9698,
20.0832

■ 29.4706, 46.9698,
20.0832

291.3833,
374.6940, 264.9843

■ 19.5832, 33.0118,
12.2709

■ 58.2163, 85.6685,
44.4174

■ 12.1989, 22.1355,
6.8036

■ 77.8054, 111.1781,
61.7764

■ 6.9525, 13.9565,
3.2630

■ 101.3590,
141.3069, 83.1547

■ 3.4785, 8.0904,
1.2305

■ 129.2426,
176.4393, 108.9708

■ 1.4115, 4.1528,
0.0038

161.8214,
216.9599, 139.6432

■ 0.2644, 1.7594,
0.0000

199.4609,

■ 0.0000, 0.4617,

263.2529, 175.5906

0.0000

242.5264,
315.7028, 217.2315

■ 0.0000, 0.0000,
0.0000

■ 29.4706, 46.9698,
20.0832

■ 29.4706, 46.9698,
20.0832

■ 26.5467, 45.5667,
15.2998

■ 33.2146, 48.7696,
26.2064

■ 24.3784, 44.5252,
11.7529

■ 37.8301, 50.9867,
33.7559

■ 22.8971, 43.8136,
9.3299

■ 43.3684, 53.6470,
42.8147

■ 22.0204, 43.3925,
7.8958

■ 49.8759, 56.7729,
53.4588

■ 21.5938, 43.1876,
7.1981

■ 57.3957, 60.3851,
65.7587

■ 65.9685, 64.5030,
79.7809

■ 75.6326, 69.1452,
95.5881

■ 80.8838, 71.6676,
104.1779

Harmonies

Analogous

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



37.2673, 46.9698, 11.4128



29.4706, 46.9698, 20.0832



25.9436, 46.9698, 41.1049

Triad

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



29.4706, 46.9698, 20.0832



40.9853, 46.9698, 144.5122



69.2122, 46.9698, 31.8474

Complementary

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



29.4706, 46.9698, 20.0832



40.5536, 26.7005, 60.1440

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.



70.6802, 46.9698, 62.6932



29.4706, 46.9698, 20.0832



52.9336, 46.9698, 138.3718

Square

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



29.4706, 46.9698, 20.0832



31.7827, 46.9698, 118.4845



64.2932, 46.9698, 104.1923



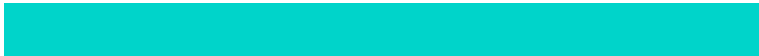
60.5756, 46.9698, 15.8543

Rectangle

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



29.4706, 46.9698, 20.0832



25.9783, 46.9698, 63.6244



64.2932, 46.9698, 104.1923



70.6126, 46.9698, 40.4095

Sweetspot

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



29.4718, 46.9718, 20.0842



76.7930, 91.2302, 79.0377



48.8950, 56.9848, 20.9926



15.9538, 19.2950, 16.1272



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.



29.4718, 46.9718, 20.0842



43.6379, 75.3042, 24.8065



32.8233, 48.3124, 37.7332



11.0681, 12.5370, 11.9160



13.5908, 27.1816, 4.5304



0.7011, 1.4023, 0.2337

Inverse Universe

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



40.5536, 26.7005, 60.1440



64.0408, 37.9825, 98.5608



35.4043, 24.6407, 33.0281



11.6876, 11.4038, 14.1555



22.5332, 10.8239, 36.8560



1.1625, 0.5584, 1.9014

Previews

White Background



This preview shows how the XYZ color 29.4706, 46.9698, 20.0832 looks on a white background.

Color Contrast Check

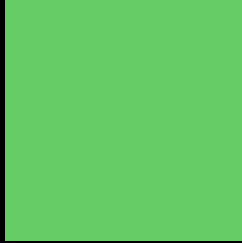
Large Text (above 18pt) WCAG AA × Fail

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 29.4706, 46.9698, 20.0832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

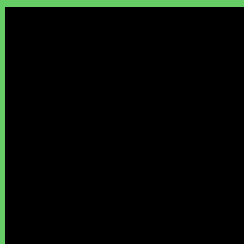
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.4706, 46.9698, 20.0832

Background



This preview shows how black text looks on a background with the XYZ color 29.4706, 46.9698, 20.0832.



This preview shows how white text looks on a background with the XYZ color 29.4706, 46.9698,

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

29.4706, 46.9698, 20.0832

Protanopia

42.3637, 46.1353, 17.2619

Deuteranopia

47.2732, 46.2286, 21.1833



Tritanopia

38.6923, 46.6133, 66.6325

Trichromacy



Original Color

29.4706, 46.9698, 20.0832



Protanomaly

35.6651, 45.1508, 18.1445



Deuteranomaly

37.9258, 44.6896, 20.5370



Tritanomaly

34.2375, 46.1263, 44.6349

Monochromacy



Original Color

29.4706, 46.9698, 20.0832



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

31.2710, 38.9132, 30.6738

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4706, 46.9698, 20.0832 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(102, 204, 102)` looks like.

```
.text, #text, p{  
    color:rgb(102, 204, 102)  
}
```

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(102, 204, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 204, 102) }
```

Border

The CSS property to change the border of an element to XYZ 29.4706, 46.9698, 20.0832 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(102, 204, 102) }
```


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

```
.border{ border-color:rgb(102, 204, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 204, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 204, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 204, 102);  
box-shadow:4px 4px 4px 4px rgb(102, 204,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4706, 46.9698, 20.0832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 204, 102) }
```

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

```
.background{ background-color: rgb(102,  
204, 102) }
```

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