

Converting Colors

XYZ(46.4715, 53.4692, 28.9904)

Have a look what the booklet for
XYZ(46.4715, 53.4692, 28.9904)
contains.

XYZ(46.4715, 53.4692, 28.9904)	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(46.4715, 53.4692,
28.9904)**

Conversions

Conversions Part 1

Format	Color
Hex	C2C682
RGB	194, 198, 130
RGB Percent	76%, 78%, 51%
CMY	0.2392, 0.2235, 0.4902
CMYK	0.02, 0.00, 0.34, 0.22
HSL	64°, 37%, 64%
HSV	64°, 34%, 78%
XYZ	46.4715, 53.4692, 28.9904
YIQ	189.0520, 19.4440, -21.9960

Conversions

Conversions Part 2

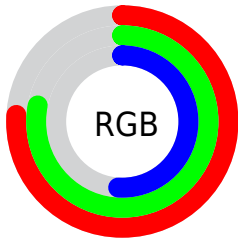
Format	Color
RYB	130, 198, 134
Decimal	12764802
CIELab	78.15, -11.92, 33.66
CIELCh	78, 35.714, 109.504
Yxy	53.4692, 0.3604, 0.4147
Android (android.graphics.Color)	4290954882 (0xFFC2C682)
YUV	189.0520, -29.1126, 4.3394
Hunter-Lab	73.1226, -14.5228, 27.6796

Details

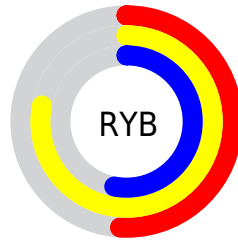
The XYZ color **46.4715, 53.4692, 28.9904** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **28.0092, 25.1122, 56.8000**, and the grayscale version is **48.5542, 51.0828, 55.6292**.

A 20% lighter version of the original color is **84.1954, 95.4899, 59.3412**, and **22.0687, 26.0147, 11.4476** is the 20% darker color. If you saturate the color by 10%, you get **44.9708, 52.8363, 22.6377**, and if you desaturate by 10%, it is **48.2331, 54.2104, 36.6924**.

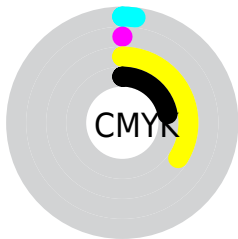
Distribution



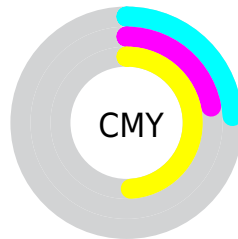
- Red (76%)
- Green (78%)
- Blue (51%)



- Red (51%)
- Yellow (78%)
- Blue (53%)



- Cyan (2%)
- Magenta (0%)
- Yellow (34%)
- Black (22%)



- Cyan (24%)
- Magenta (22%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.4715, 53.4692, 28.9904 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 46.4715, 53.4692, 28.9904 by changing the saturation by 10% instead.

■ 46.4715, 53.4692,
28.9904

■ 46.4715, 53.4692,
28.9904

363.3852,
400.0827, 311.2292

■ 32.8242, 38.1775,
18.8280

■ 84.1478, 95.2944,
59.1038

■ 22.1504, 26.1205,
11.3705

■ 108.9075,
122.5967, 79.8920

■ 14.0847, 16.9138,
6.1993

■ 138.1020,
154.6713, 105.0592

■ 8.2617, 10.1730,
2.8959

172.0968,
191.9026, 135.0239

■ 4.3161, 5.5138,
1.0417

211.2572,
234.6750, 170.2047

■ 1.8825, 2.5518,
0.0000

255.9485,

■ 0.5666, 0.9025,

283.3729, 211.0202

0.0000

306.5360,
338.3806, 257.8888

■ 0.0000, 0.0000,
0.0000

■ 46.4715, 53.4692,
28.9904

■ 46.4715, 53.4692,
28.9904

■ 44.9708, 52.8363,
22.6377

■ 48.2331, 54.2104,
36.6924

■ 43.7121, 52.2987,
17.5534

■ 50.2650, 55.0582,
45.8117

■ 42.6806, 51.8522,
13.6532


■ 52.5812, 56.0199,
56.4158


■ 41.8581, 51.4896,
10.8412


■ 55.1935, 57.1003,
68.5667


■ 41.2234, 51.2023,
9.0066


■ 58.1130, 58.3040,
82.3231


 40.7512, 50.9804,
8.0151

 61.3503, 59.6350,
97.7405

 40.5286, 50.8727,
7.6833

 62.6465, 60.1898,
102.9237

 62.9636, 60.3532,
102.9385

 63.2830, 60.5179,
102.9535

Harmonies

Analogous

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



53.3043, 53.4692, 28.0201



46.4715, 53.4692, 28.9904



41.2853, 53.4692, 36.6608

Triad

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



46.4715, 53.4692, 28.9904



42.5963, 53.4692, 92.6015



65.1881, 53.4692, 65.5028

Complementary

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



46.4715, 53.4692, 28.9904



28.0092, 25.1122, 56.8000

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.



61.7221, 53.4692, 86.9071



46.4715, 53.4692, 28.9904



48.4158, 53.4692, 104.7646

Square

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



46.4715, 53.4692, 28.9904



39.1937, 53.4692, 72.0139



55.4335, 53.4692, 102.4705



64.5463, 53.4692, 46.3087

Rectangle

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



46.4715, 53.4692, 28.9904



39.2605, 53.4692, 45.7744



55.4335, 53.4692, 102.4705



64.4532, 53.4692, 72.7362

Sweetspot

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



46.4728, 53.4716, 28.9915



90.6624, 98.1814, 88.6678



35.7622, 30.5037, 25.1228



19.2827, 20.9638, 18.4178



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.



46.4728, 53.4716, 28.9915



80.3122, 93.8474, 42.9260



38.8428, 49.5382, 28.6344



11.4598, 12.3840, 11.3491



26.3810, 33.0952, 4.9976



1.2683, 1.5769, 0.2375

Inverse Universe

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



28.0092, 25.1122, 56.8000



42.8564, 36.3052, 99.3566



34.1983, 28.3028, 57.0897



10.1135, 10.3168, 13.3758



6.7491, 2.7135, 34.9124



0.3402, 0.1391, 1.6541

Previews

White Background



This preview shows how the XYZ color 46.4715, 53.4692, 28.9904 looks on a white background.

Color Contrast Check

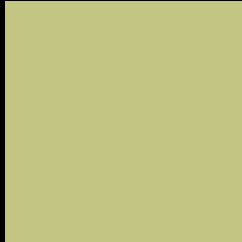
Large Text (above 18pt) WCAG AA × Fail

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 46.4715, 53.4692, 28.9904 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

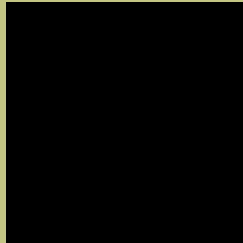
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.4715, 53.4692, 28.9904

Background



This preview shows how black text looks on a background with the XYZ color 46.4715, 53.4692, 28.9904.



This preview shows how white text looks on a background with the XYZ color 46.4715, 53.4692,

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

46.4715, 53.4692, 28.9904

Protanopia

49.5446, 53.4001, 28.1180

Deuteranopia

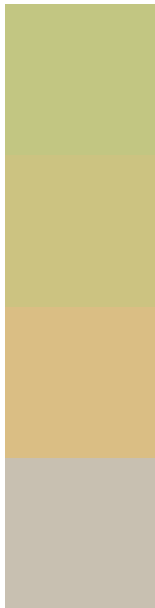
54.5376, 53.3803, 29.6193



Tritanopia

53.7253, 53.4513, 64.6123

Trichromacy



Original Color

46.4715, 53.4692, 28.9904

Protanomaly

48.3794, 53.4526, 28.5364

Deuteranomaly

51.4918, 53.3983, 29.4228

Tritanomaly

50.6049, 53.1530, 49.1874

Monochromacy



Original Color

46.4715, 53.4692, 28.9904

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

47.4034, 51.6028, 44.5077

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4715, 53.4692, 28.9904 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(194, 198, 130)` looks like.

```
.text, #text, p{  
    color:rgb(194, 198, 130)  
}
```

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(194, 198, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 198, 130) }
```

Border

The CSS property to change the border of an element to XYZ 46.4715, 53.4692, 28.9904 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(194, 198, 130) }
```


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

```
.border{ border-color:rgb(194, 198, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 198, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 198, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 198, 130);  
box-shadow:4px 4px 4px 4px rgb(194, 198,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4715, 53.4692, 28.9904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 198, 130) }
```

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

```
.background{ background-color: rgb(194,  
198, 130) }
```

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