

Converting Colors

XYZ(46.4837, 49.4460, 28.5690)

Have a look what the booklet for
XYZ(46.4837, 49.4460, 28.5690)
contains.

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Color

**XYZ(46.5575, 49.5939,
28.5915)**

Conversions

Conversions Part 1

Format	Color
Hex	CCBA83
RGB	204, 186, 131
RGB Percent	80%, 73%, 51%
CMY	0.2000, 0.2706, 0.4863
CMYK	0.00, 0.09, 0.36, 0.20
HSL	45°, 42%, 66%
HSV	45°, 36%, 80%
XYZ	46.5575, 49.5939, 28.5915
YIQ	185.1120, 28.3830, -13.2890

Conversions

Conversions Part 2

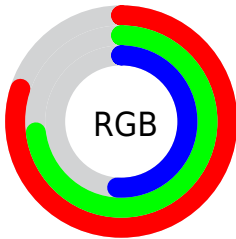
Format	Color
RYB	155, 204, 131
Decimal	13417091
CIELab	75.82, -1.63, 30.24
CIELCh	76, 30.281, 93.086
Yxy	49.5939, 0.3732, 0.3976
Android (android.graphics.Color)	4291607171 (0xFFCCBA83)
YUV	185.1120, -26.6772, 16.5648
Hunter-Lab	70.4229, -5.2315, 25.2245

Details

The XYZ color **46.5575, 49.5939, 28.5915** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **31.0064, 30.6789, 61.4142**, and the grayscale version is **46.3102, 48.7220, 53.0582**.

A 20% lighter version of the original color is **81.6439, 88.2250, 58.0734**, and **22.2672, 23.7587, 11.1969** is the 20% darker color. If you saturate the color by 10%, you get **44.2683, 47.0145, 21.6658**, and if you desaturate by 10%, it is **49.1587, 52.3613, 36.9654**.

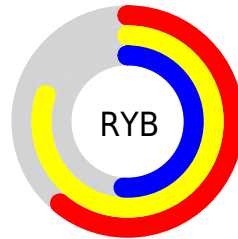
Distribution



Red (80%)

Green (73%)

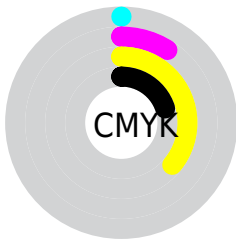
Blue (51%)



Red (61%)

Yellow (80%)

Blue (51%)

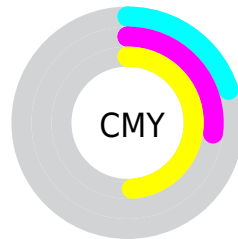


Cyan (0%)

Magenta (9%)

Yellow (36%)

Black (20%)



Cyan (20%)

Magenta (27%)

Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.5575, 49.5939, 28.5915 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 46.5575, 49.5939, 28.5915 by changing the saturation by 10% instead.


 46.5575, 49.5939,
28.5915


 46.5575, 49.5939,
28.5915


363.7240,
385.0757, 309.2830


 32.8925, 35.0908,
18.5291


 84.2755, 89.5729,
58.4618

 22.2029, 23.7329,
11.1572


 109.0592,
115.8176, 79.1069

 14.1235, 15.1356,
6.0571


 138.2798,
146.7450, 104.1165

 8.2889, 8.9146,
2.8105

172.3026,
182.7394, 133.9093

 4.3337, 4.6855,
0.9987

211.4931,
224.1853, 168.9039

 1.8926, 2.0639,
0.0000

256.2166,

 0.5725, 0.6442,

271.4671, 209.5186

0.0000

306.8384,
324.9691, 256.1722

■ 0.0000, 0.0000,
0.0000

■ 46.5575, 49.5939,
28.5915

■ 46.5575, 49.5939,
28.5915

■ 44.2683, 47.0145,
21.6658

■ 49.1587, 52.3613,
36.9654

■ 42.2710, 44.6092,
16.1005

■ 52.0834, 55.3166,
46.8621

■ 40.5487, 42.3723,
11.8031

■ 55.3467, 58.4682,
58.3550

■ 39.0810, 40.2951,
8.6683

■ 58.9619, 61.8219,
71.5114

■ 37.8443, 38.3674,
6.5736

■ 62.9415, 65.3834,
86.3952

■ 36.8094, 36.5770,
5.3670

■ 67.2971, 69.1579,
103.0665

■ 36.4100, 35.8537,
5.0014

■ 68.8630, 71.8796,
104.8524

■ 70.2123, 74.5784,
105.3022

■ 71.6018, 77.3574,
105.7654

Harmonies

Analogous

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



52.2066, 49.5939, 30.8140



46.5575, 49.5939, 28.5915



41.4745, 49.5939, 31.9758

Triad

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



46.5575, 49.5939, 28.5915



38.6410, 49.5939, 72.7422



57.4582, 49.5939, 69.2749

Complementary

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



46.5575, 49.5939, 28.5915



31.0064, 30.6789, 61.4142

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.



53.2939, 49.5939, 84.3443



46.5575, 49.5939, 28.5915



42.4076, 49.5939, 86.6097

Square

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



46.5575, 49.5939, 28.5915



37.1381, 49.5939, 55.6845



47.7223, 49.5939, 91.2266



58.7877, 49.5939, 52.3485

Rectangle

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



46.5575, 49.5939, 28.5915



39.0053, 49.5939, 37.4446



47.7223, 49.5939, 91.2266



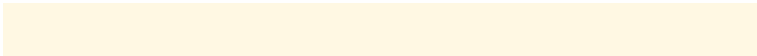
56.3280, 49.5939, 74.8302

Sweetspot

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



46.5587, 49.5962, 28.5925



88.6919, 93.9906, 86.1043



38.4633, 31.2485, 32.5435



18.8266, 19.9654, 17.8787



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.



46.5587, 49.5962, 28.5925



74.1131, 78.7856, 38.2307



45.8789, 55.2324, 29.7163



11.9105, 12.6100, 11.8857



22.9934, 22.7197, 3.1735



1.2436, 1.2868, 0.1828

Inverse Universe

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



31.0064, 30.6789, 61.4142



44.6137, 42.9214, 100.5410



31.4560, 27.0060, 60.6815



10.8227, 11.2858, 14.1783



7.6481, 4.3201, 36.3870



0.4562, 0.3462, 1.8977

Previews

White Background



This preview shows how the XYZ color 46.5575, 49.5939, 28.5915 looks on a white background.

Color Contrast Check

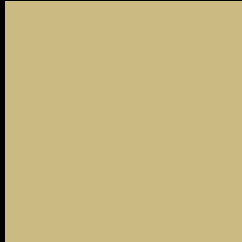
Large Text (above 18pt) WCAG AA × Fail

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 46.5575, 49.5939, 28.5915 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 46.5575, 49.5939, 28.5915

Background



This preview shows how black text looks on a background with the XYZ color 46.5575, 49.5939, 28.5915.



This preview shows how white text looks on a background with the XYZ color 46.5575, 49.5939,

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

46.5575, 49.5939, 28.5915

Protanopia

46.2242, 49.7359, 28.6364

Deuteranopia

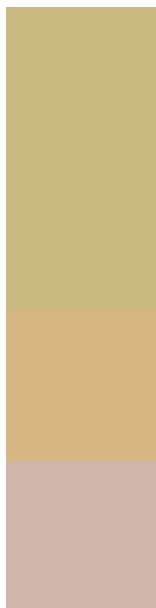
50.4092, 49.4357, 28.7150



Tritanopia

52.2988, 49.4954, 56.6663

Trichromacy



Original Color

46.5575, 49.5939, 28.5915

Protanomaly

46.4957, 49.8759, 28.6491

Deuteranomaly

48.9171, 49.5689, 28.8193

Tritanomaly

49.7920, 49.3599, 44.9333

Monochromacy



Original Color

46.5575, 49.5939, 28.5915

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

45.8787, 48.6210, 42.5640

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5575, 49.5939, 28.5915 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(204, 186, 131)` looks like.

```
.text, #text, p{  
    color:rgb(204, 186, 131)  
}
```

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(204, 186, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 186, 131) }
```

Border

The CSS property to change the border of an element to XYZ 46.5575, 49.5939, 28.5915 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(204, 186, 131) }
```


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

```
.border{ border-color:rgb(204, 186, 131) }
```

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

Here you see how a box with a 4 pixel rgb(204, 186, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 186, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 186, 131);  
box-shadow:4px 4px 4px 4px rgb(204, 186,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5575, 49.5939, 28.5915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 186, 131) }
```

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

```
.background{ background-color: rgb(204,  
186, 131) }
```

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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