

Converting Colors

XYZ(46.9501, 50.5826, 26.7721)

Have a look what the booklet for
XYZ(46.9501, 50.5826, 26.7721)
contains.

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Color

**XYZ(46.8617, 50.4262,
26.6654)**

Conversions

Conversions Part 1

Format	Color
Hex	CDBC7D
RGB	205, 188, 125
RGB Percent	80%, 74%, 49%
CMY	0.1961, 0.2627, 0.5098
CMYK	0.00, 0.08, 0.39, 0.20
HSL	47°, 44%, 65%
HSV	47°, 39%, 80%
XYZ	46.8617, 50.4262, 26.6654
YIQ	185.9010, 30.3550, -15.9890

Conversions

Conversions Part 2

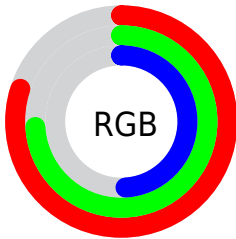
Format	Color
RYB	147, 205, 125
Decimal	13483133
CIELab	76.33, -2.98, 34.06
CIELCh	76, 34.190, 94.992
Yxy	50.4262, 0.3781, 0.4068
Android (android.graphics.Color)	4291673213 (0xFFCDBC7D)
YUV	185.9010, -30.0242, 16.7498
Hunter-Lab	71.0114, -6.4746, 27.4441

Details

The XYZ color **46.8617, 50.4262, 26.6654** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **29.1497, 28.1129, 61.6475**, and the grayscale version is **46.7686, 49.2042, 53.5834**.

A 20% lighter version of the original color is **81.6266, 89.1757, 55.0299**, and **22.3284, 24.2255, 10.1558** is the 20% darker color. If you saturate the color by 10%, you get **44.7690, 48.1247, 20.1602**, and if you desaturate by 10%, it is **49.2553, 52.8967, 34.6055**.

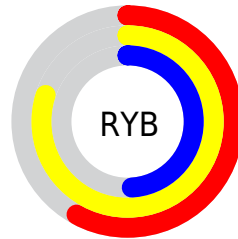
Distribution



Red (80%)

Green (74%)

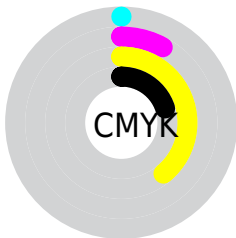
Blue (49%)



Red (58%)

Yellow (80%)

Blue (49%)

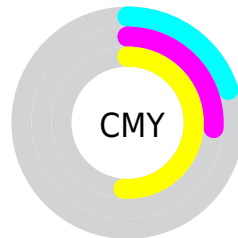


Cyan (0%)

Magenta (8%)

Yellow (39%)

Black (20%)



Cyan (20%)


Magenta (26%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8617, 50.4262, 26.6654 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 46.8617, 50.4262, 26.6654 by changing the saturation by 10% instead.


 46.8617, 50.4262,
26.6654

 46.8617, 50.4262,
26.6654


364.9204,
388.3303, 299.7421


 33.1338, 35.7522,
17.0919


 84.7271, 90.8060,
55.3437

 22.3887, 24.2428,
10.1374


 109.5954,
117.2806, 75.2855

 14.2610, 15.5139,
5.3833


 138.9079,
148.4575, 99.5205

 8.3853, 9.1808,
2.4112

173.0299,
184.7211, 128.4672

 4.3964, 4.8593,
0.7926

212.3268,
226.4558, 162.5442

 1.9287, 2.1650,
0.0000

257.1639,

 0.5934, 0.7008,

274.0459, 202.1700

0.0000

307.9067,
327.8760, 247.7631

■ 0.0000, 0.0000,
0.0000

■ 46.8617, 50.4262,
26.6654

■ 46.8617, 50.4262,
26.6654

■ 44.7690, 48.1247,
20.1602

■ 49.2553, 52.8967,
34.6055

■ 42.9565, 45.9779,
14.9985

■ 51.9616, 55.5357,
44.0581

■ 41.4065, 43.9803,
11.0832


■ 54.9962, 58.3517,
55.0991

■ 40.0976, 42.1229,
8.3029


■ 58.3727, 61.3506,
67.7980


■ 39.0046, 40.3952,
6.5260


■ 62.1037, 64.5377,
82.2206


 38.0862, 38.7802,
5.5355

 66.2012, 67.9182,
98.4289

 38.0005, 38.6264,
5.4528

 68.4255, 70.5966,
104.6278

 69.5732, 72.8918,
105.0104

 70.7507, 75.2469,
105.4029

Harmonies

Analogous

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



53.3426, 50.4262, 28.6804



46.8617, 50.4262, 26.6654



41.1880, 50.4262, 30.7238

Triad

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



46.8617, 50.4262, 26.6654



38.5044, 50.4262, 77.7944



60.0174, 50.4262, 71.2600

Complementary

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



46.8617, 50.4262, 26.6654



29.1497, 28.1129, 61.6475

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.



55.3671, 50.4262, 89.2862



46.8617, 50.4262, 26.6654



42.8939, 50.4262, 93.6113

Square

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



46.8617, 50.4262, 26.6654



36.6459, 50.4262, 58.0419



49.0116, 50.4262, 98.2270



61.3177, 50.4262, 51.8843

Rectangle

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



46.8617, 50.4262, 26.6654



38.5061, 50.4262, 37.0080



49.0116, 50.4262, 98.2270



58.7750, 50.4262, 77.8045

Sweetspot

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



46.8630, 50.4285, 26.6664



88.4700, 94.1058, 84.3071



37.4184, 29.6099, 29.4663



18.7936, 20.0109, 17.5241



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.



46.8630, 50.4285, 26.6664



73.7925, 79.3510, 34.4041



44.9034, 55.1291, 27.6770



11.9437, 12.6764, 11.8967



23.7279, 24.1888, 3.4183



1.2760, 1.3517, 0.1936

Inverse Universe

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



29.1497, 28.1129, 61.6475



40.7428, 37.7373, 99.7444



30.5061, 25.3405, 61.0409



10.7917, 11.2239, 14.1680



7.4673, 3.9586, 36.3268



0.4421, 0.3180, 1.8930

Previews

White Background



This preview shows how the XYZ color 46.8617, 50.4262, 26.6654 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 46.8617, 50.4262, 26.6654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

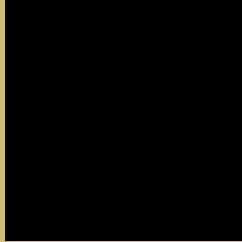
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.8617, 50.4262, 26.6654

Background



This preview shows how black text looks on a background with the XYZ color 46.8617, 50.4262, 26.6654.



This preview shows how white text looks on a background with the XYZ color 46.8617, 50.4262,

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

46.8617, 50.4262, 26.6654

Protanopia

46.5867, 50.2845, 26.6525

Deuteranopia

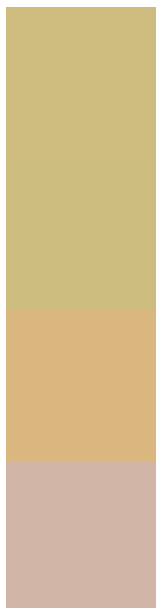
51.5161, 50.3436, 27.0808



Tritanopia

52.8971, 50.0875, 57.3320

Trichromacy



Original Color

46.8617, 50.4262, 26.6654

Protanomaly

46.5867, 50.2845, 26.6525

Deuteranomaly

49.6128, 50.2788, 26.8286

Tritanomaly

50.0903, 49.8384, 44.0255

Monochromacy



Original Color

46.8617, 50.4262, 26.6654

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.4635, 49.5584, 42.2388

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8617, 50.4262, 26.6654 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(205, 188, 125)` looks like.

```
.text, #text, p{  
    color:rgb(205, 188, 125)  
}
```

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(205, 188, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 188, 125) }
```

Border

The CSS property to change the border of an element to XYZ 46.8617, 50.4262, 26.6654 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(205, 188, 125) }
```


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

```
.border{ border-color:rgb(205, 188, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 188, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 188, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 188, 125);  
box-shadow:4px 4px 4px 4px rgb(205, 188,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8617, 50.4262, 26.6654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 188, 125) }
```

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

```
.background{ background-color: rgb(205,  
188, 125) }
```

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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