

Converting Colors

XYZ(46.7743, 50.6194, 15.8996)

Have a look what the booklet for
XYZ(46.7743, 50.6194, 15.8996)
contains.

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Color

**XYZ(46.7743, 50.6194,
15.8996)**

Conversions

Conversions Part 1

Format	Color
Hex	D4BC55
RGB	212, 188, 85
RGB Percent	83%, 74%, 33%
CMY	0.1686, 0.2627, 0.6667
CMYK	0.00, 0.11, 0.60, 0.17
HSL	49°, 60%, 58%
HSV	49°, 60%, 83%
XYZ	46.7743, 50.6194, 15.8996
YIQ	183.4340, 47.3670, -26.9450

Conversions

Conversions Part 2

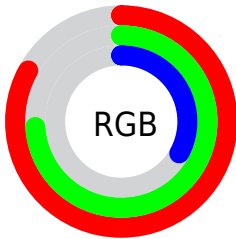
Format	Color
RYB	115, 212, 85
Decimal	13941845
CIELab	76.45, -3.73, 54.07
CIELCh	76, 54.203, 93.944
Yxy	50.6194, 0.4129, 0.4468
Android (android.graphics.Color)	4292131925 (0xFFD4BC55)
YUV	183.4340, -48.5280, 25.0524
Hunter-Lab	71.1473, -7.1567, 36.5533

Details

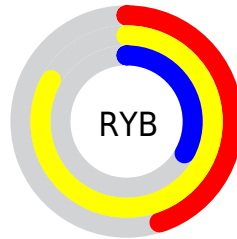
The XYZ color **46.7743, 50.6194, 15.8996** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted orange. A complement of this color would be **21.0985, 17.6215, 64.5763**, and the grayscale version is **45.4896, 47.8586, 52.1180**.

A 20% lighter version of the original color is **78.1781, 87.7963, 36.8707**, and **22.2377, 24.2969, 4.8140** is the 20% darker color. If you saturate the color by 10%, you get **45.2116, 48.6460, 11.8279**, and if you desaturate by 10%, it is **48.6154, 52.7460, 21.3098**.

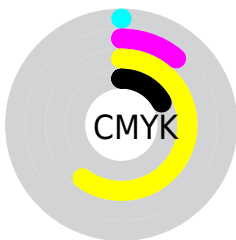
Distribution



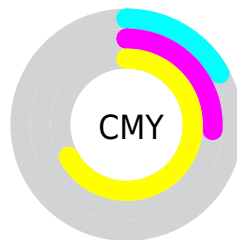
- Red (83%)
- Green (74%)
- Blue (33%)



- Red (45%)
- Yellow (83%)
- Blue (33%)



- Cyan (0%)
- Magenta (11%)
- Yellow (60%)
- Black (17%)



- Cyan (17%)
- Magenta (26%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.7743, 50.6194, 15.8996 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 46.7743, 50.6194, 15.8996 by changing the saturation by 10% instead.

■ 46.7743, 50.6194,
15.8996

■ 46.7743, 50.6194,
15.8996

364.5769,
389.0833, 240.5740

■ 33.0645, 35.9058,
9.2996

■ 84.5974, 91.0919,
37.1882

■ 22.3353, 24.3615,
4.8376

■ 109.4414,
117.6197, 52.7138

■ 14.2215, 15.6020,
2.0952

■ 138.7275,
148.8542, 72.0517

■ 8.3576, 9.2429,
0.6129

■ 172.8211,
185.1800, 95.6204

■ 4.3783, 4.9000,
0.0000

■ 212.0874,
226.9814, 123.8384

■ 1.9183, 2.1887,
0.0000

256.8919,

■ 0.5874, 0.7138,

274.6428, 157.1243

0.0000

307.6000,
328.5486, 195.8967

■ 0.0000, 0.0000,
0.0000

■ 46.7743, 50.6194,
15.8996

■ 46.7743, 50.6194,
15.8996

■ 45.2116, 48.6460,
11.8279

■ 48.6154, 52.7460,
21.3098

■ 43.9003, 46.8090,
8.9688

■ 50.7520, 55.0271,
28.1630

■ 42.8137, 45.0992,
7.1777

■ 53.2037, 57.4729,
36.5571

■ 41.9019, 43.4965,
6.1930

■ 55.9876, 60.0904,
46.5803

■ 41.8935, 43.4814,
6.1847

■ 59.1193, 62.8863,
58.3142

■ 62.6134, 65.8666,
71.8350

■ 66.4838, 69.0371,
87.2142

■ 70.7433, 72.4033,
104.5194

■ 71.8714, 74.5573,
105.2107

Harmonies

Analogous

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



57.2614, 50.6194, 18.4630



46.7743, 50.6194, 15.8996



37.9609, 50.6194, 20.3921

Triad

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



46.7743, 50.6194, 15.8996



33.5938, 50.6194, 92.8518



67.9930, 50.6194, 83.6862

Complementary

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



46.7743, 50.6194, 15.8996



21.0985, 17.6215, 64.5763

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.



59.9288, 50.6194, 116.1575



46.7743, 50.6194, 15.8996



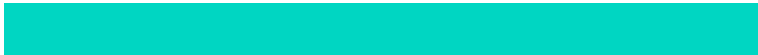
39.9935, 50.6194, 122.6320

Square

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



46.7743, 50.6194, 15.8996



31.0633, 50.6194, 59.0749



49.4754, 50.6194, 132.3924



70.4769, 50.6194, 51.3379

Rectangle

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



46.7743, 50.6194, 15.8996



33.9214, 50.6194, 28.2038



49.4754, 50.6194, 132.3924



65.7939, 50.6194, 95.2754

Sweetspot

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



46.7755, 50.6218, 15.9006



85.8166, 91.9797, 73.6174



33.2364, 21.6290, 17.2900



18.0849, 19.4283, 14.7144



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.



46.7755, 50.6218, 15.9006



68.0654, 73.0704, 16.5453



42.6166, 56.7299, 17.2988



13.2641, 14.1025, 13.1837



25.9325, 26.9823, 3.8413



1.6167, 1.7327, 0.2492

Inverse Universe

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



21.0985, 17.6215, 64.5763



25.8411, 18.9010, 96.8940



23.3153, 15.4694, 64.0440



11.9306, 12.3846, 15.6992



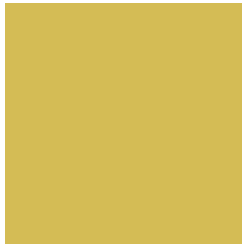
7.8605, 3.9827, 38.8076



0.5314, 0.3548, 2.3598

Previews

White Background



This preview shows how the XYZ color 46.7743, 50.6194, 15.8996 looks on a white background.

Color Contrast Check

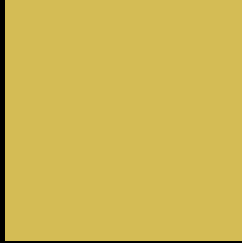
Large Text (above 18pt) WCAG AA × Fail

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 46.7743, 50.6194, 15.8996 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 46.7743, 50.6194, 15.8996

Background



This preview shows how black text looks on a background with the XYZ color 46.7743, 50.6194, 15.8996.

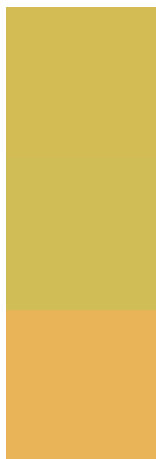


This preview shows how white text looks on a background with the XYZ color 46.7743, 50.6194,

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

46.7743, 50.6194, 15.8996

Protanopia

46.1318, 50.6064, 15.9309

Deuteranopia

51.6458, 50.6543, 16.0720



Tritanopia

54.8352, 50.5341, 55.5791

Trichromacy



Original Color

46.7743, 50.6194, 15.8996

Protanomaly

46.4156, 50.7527, 15.9442

Deuteranomaly

49.6645, 50.5464, 15.9429

Tritanomaly

51.1048, 50.2202, 36.7057

Monochromacy



Original Color

46.7743, 50.6194, 15.8996

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

44.8636, 48.2738, 34.5570

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7743, 50.6194, 15.8996 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(212, 188, 85)` looks like.

```
.text, #text, p{  
    color:rgb(212, 188, 85)  
}
```

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(212, 188, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 188, 85) }
```

Border

The CSS property to change the border of an element to XYZ 46.7743, 50.6194, 15.8996 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(212, 188, 85) }
```


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

```
.border{ border-color:rgb(212, 188, 85) }
```

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

Here you see how a box with a 4 pixel rgb(212, 188, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 188, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 188, 85);  
box-shadow:4px 4px 4px 4px rgb(212, 188,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7743, 50.6194, 15.8996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 188, 85) }
```

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

```
.background{ background-color: rgb(212,  
188, 85) }
```

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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