

Converting Colors

XYZ(46.2704, 50.4574, 15.6354)

Have a look what the booklet for
XYZ(46.2704, 50.4574, 15.6354)
contains.

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Color

**XYZ(46.1618, 50.3082,
15.6650)**

Conversions

Conversions Part 1

Format	Color
Hex	D2BC54
RGB	210, 188, 84
RGB Percent	82%, 74%, 33%
CMY	0.1765, 0.2627, 0.6706
CMYK	0.00, 0.10, 0.60, 0.18
HSL	50°, 58%, 58%
HSV	50°, 60%, 82%
XYZ	46.1618, 50.3082, 15.6650
YIQ	182.7220, 46.4960, -27.6800

Conversions

Conversions Part 2

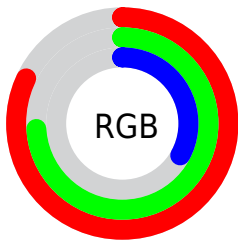
Format	Color
RYB	111, 210, 84
Decimal	13810772
CIELab	76.26, -4.64, 54.27
CIELCh	76, 54.466, 94.888
Yxy	50.3082, 0.4117, 0.4486
Android (android.graphics.Color)	4292000852 (0xFFD2BC54)
YUV	182.7220, -48.6699, 23.9228
Hunter-Lab	70.9283, -7.9525, 36.5552

Details

The XYZ color **46.1618, 50.3082, 15.6650** 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 **20.4429, 16.8455, 63.1465**, and the grayscale version is **45.0989, 47.4475, 51.6704**.

A 20% lighter version of the original color is **78.1060, 87.7675, 36.4911**, and **22.0352, 24.1940, 4.7368** is the 20% darker color. If you saturate the color by 10%, you get **44.6867, 48.4829, 11.7060**, and if you desaturate by 10%, it is **47.9057, 52.2767, 20.9309**.

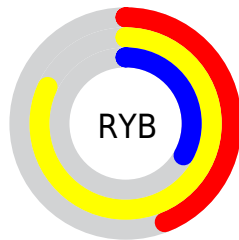
Distribution



Red (82%)

Green (74%)

Blue (33%)



Red (44%)

Yellow (82%)

Blue (33%)

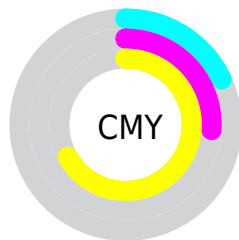


Cyan (0%)

Magenta (10%)

Yellow (60%)

Black (18%)



Cyan (18%)


Magenta (26%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.1618, 50.3082, 15.6650 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 46.1618, 50.3082, 15.6650 by changing the saturation by 10% instead.


 46.1618, 50.3082,
15.6650

 46.1618, 50.3082,
15.6650


362.1638,
387.8700, 239.1346


 32.5787, 35.6583,
9.1356


 83.6875, 90.6314,
36.7743


 21.9616, 24.1704,
4.7317


 108.3607,
117.0734, 52.1913


 13.9451, 15.4601,
2.0348


 137.4614,
148.2151, 71.4080

 8.1639, 9.1429,
0.5765

 171.3549,
184.4406, 94.8428

 4.2527, 4.8345,
0.0000

 210.4065,
226.1345, 122.9143

 1.8461, 2.1505,
0.0000

254.9817,

 0.5452, 0.6928,

273.6811, 156.0411

0.0000

305.4456,
327.4648, 194.6417

■ 0.0000, 0.0000,
0.0000

■ 46.1618, 50.3082,
15.6650

■ 46.1618, 50.3082,
15.6650

■ 44.6867, 48.4829,
11.7060

■ 47.9057, 52.2767,
20.9309

■ 43.4539, 46.7842,
8.9308

■ 49.9350, 54.3895,
27.6061

■ 42.4374, 45.2034,
7.1981

■ 52.2690, 56.6564,
35.7859

■ 41.5876, 43.7203,
6.2471

■ 54.9241, 59.0843,
45.5568

■ 41.5875, 43.7201,
6.2469

■ 57.9157, 61.6796,
56.9986

■ 61.2580, 64.4481,
70.1857

■ 64.9644, 67.3954,
85.1880

■ 69.0477, 70.5268,
102.0716

■ 70.4839, 72.6330,
104.9124

Harmonies

Analogous

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



56.6486, 50.3082, 17.9913



46.1618, 50.3082, 15.6650



37.4360, 50.3082, 20.3715

Triad

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



46.1618, 50.3082, 15.6650



33.4431, 50.3082, 93.6759



67.9042, 50.3082, 82.2951

Complementary

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



46.1618, 50.3082, 15.6650



20.4429, 16.8455, 63.1465

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.



59.9575, 50.3082, 115.1100



46.1618, 50.3082, 15.6650



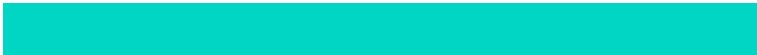
39.9536, 50.3082, 123.1565

Square

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



46.1618, 50.3082, 15.6650



30.7904, 50.3082, 59.7128



49.5101, 50.3082, 132.1432



70.1853, 50.3082, 50.1211

Rectangle

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



46.1618, 50.3082, 15.6650



33.4778, 50.3082, 28.3683



49.5101, 50.3082, 132.1432



65.7565, 50.3082, 93.9340

Sweetspot

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



46.1630, 50.3106, 15.6660



86.0180, 92.3824, 73.6845



32.4080, 21.1064, 16.3041



18.1347, 19.5278, 14.7309



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.



46.1630, 50.3106, 15.6660



68.7648, 74.4693, 16.7785



41.2461, 55.2903, 16.8864



12.6206, 13.4318, 12.5395



25.4337, 26.8004, 3.8325



1.4694, 1.5930, 0.2300

Inverse Universe

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



20.4429, 16.8455, 63.1465



25.5730, 18.3648, 96.8047



23.1014, 15.2720, 62.7026



11.3281, 11.7466, 14.9139



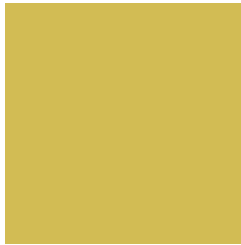
7.5446, 3.7357, 37.5159



0.4741, 0.3133, 2.1151

Previews

White Background



This preview shows how the XYZ color 46.1618, 50.3082, 15.6650 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 46.1618, 50.3082, 15.6650 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

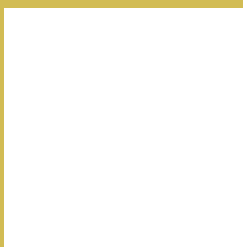
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.1618, 50.3082, 15.6650

Background



This preview shows how black text looks on a background with the XYZ color 46.1618, 50.3082, 15.6650.



This preview shows how white text looks on a background with the XYZ color 46.1618, 50.3082,

15.6650.

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

46.1618, 50.3082, 15.6650

Protanopia

45.8779, 50.1618, 15.6517

Deuteranopia

51.4041, 50.2357, 15.7913



Tritanopia

54.2298, 50.2221, 55.5508

Trichromacy



Original Color

46.1618, 50.3082, 15.6650

Protanomaly

45.8779, 50.1618, 15.6517

Deuteranomaly

49.4190, 50.1193, 15.6637

Tritanomaly

50.4287, 49.8810, 36.2483

Monochromacy



Original Color

46.1618, 50.3082, 15.6650

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

44.6077, 48.1420, 34.5450

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1618, 50.3082, 15.6650 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(210, 188, 84)` looks like.

```
.text, #text, p{  
    color:rgb(210, 188, 84)  
}
```

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(210, 188, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 188, 84) }
```

Border

The CSS property to change the border of an element to XYZ 46.1618, 50.3082, 15.6650 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(210, 188, 84) }
```


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

```
.border{ border-color:rgb(210, 188, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 188, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 188, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 188, 84);  
box-shadow:4px 4px 4px 4px rgb(210, 188,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1618, 50.3082, 15.6650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 188, 84) }
```

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

```
.background{ background-color: rgb(210,  
188, 84) }
```

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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