

Converting Colors

XYZ(46.5145, 50.1615, 30.5231)

Have a look what the booklet for
XYZ(46.5145, 50.1615, 30.5231)
contains.

XYZ(46.5145, 50.1615, 30.5231)	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(46.5145, 50.1615,
30.5231)**

Conversions

Conversions Part 1

Format	Color
Hex	C9BC88
RGB	201, 188, 136
RGB Percent	79%, 74%, 53%
CMY	0.2118, 0.2627, 0.4667
CMYK	0.00, 0.06, 0.32, 0.21
HSL	48°, 38%, 66%
HSV	48°, 32%, 79%
XYZ	46.5145, 50.1615, 30.5231
YIQ	185.9590, 24.4400, -13.4160

Conversions

Conversions Part 2

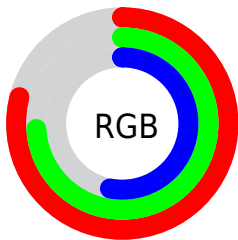
Format	Color
RYB	152, 201, 136
Decimal	13221000
CIELab	76.17, -3.26, 28.02
CIELCh	76, 28.205, 96.628
Yxy	50.1615, 0.3657, 0.3944
Android (android.graphics.Color)	4291411080 (0xFFC9BC88)
YUV	185.9590, -24.6298, 13.1910
Hunter-Lab	70.8248, -6.7127, 24.0254

Details

The XYZ color **46.5145, 50.1615, 30.5231** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **31.4431, 30.9452, 59.5741**, and the grayscale version is **46.7742, 49.2101, 53.5898**.

A 20% lighter version of the original color is **82.8849, 89.6791, 61.6565**, and **22.1977, 24.1108, 12.2880** is the 20% darker color. If you saturate the color by 10%, you get **44.3718, 47.9516, 23.4100**, and if you desaturate by 10%, it is **48.9516, 52.5309, 39.0571**.

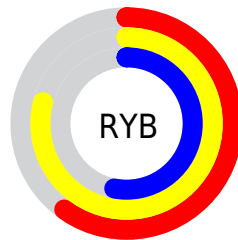
Distribution



Red (79%)

Green (74%)

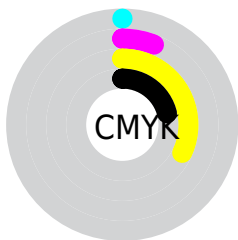
Blue (53%)



Red (60%)

Yellow (79%)

Blue (53%)

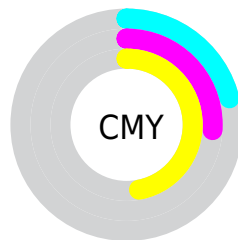


Cyan (0%)

Magenta (6%)

Yellow (32%)

Black (21%)



Cyan (21%)

Magenta (26%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.5145, 50.1615, 30.5231 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 46.5145, 50.1615, 30.5231 by changing the saturation by 10% instead.

■ 46.5145, 50.1615,
30.5231

■ 46.5145, 50.1615,
30.5231

363.5546,
387.2972, 318.6181

■ 32.8583, 35.5417,
19.9806

■ 84.2116, 90.4141,
61.5592

■ 22.1767, 24.0805,
12.1970

■ 108.9833,
116.8158, 82.8898

■ 14.1041, 15.3933,
6.7538

■ 138.1909,
147.9135, 108.6536

■ 8.2753, 9.0959,
3.2325

172.1997,
184.0917, 139.2690

■ 4.3249, 4.8038,
1.2145

211.3752,
225.7348, 175.1546

■ 1.8875, 2.1326,
0.0000

256.0826,

■ 0.5696, 0.6829,

273.2271, 216.7290

0.0000

306.6873,
326.9531, 264.4106

■ 0.0000, 0.0000,
0.0000

■ 46.5145, 50.1615,
30.5231

■ 46.5145, 50.1615,
30.5231

■ 44.3718, 47.9516,
23.4100

■ 48.9516, 52.5309,
39.0571

■ 42.5044, 45.8881,
17.6356

■ 51.6933, 55.0590,
49.0820

■ 40.8970, 43.9661,
13.1140


■ 54.7539, 57.7534,
60.6665


■ 39.5309, 42.1780,
9.7482


■ 58.1458, 60.6195,
73.8745


■ 38.3848, 40.5149,
7.4265

■ 61.8804, 63.6622,
88.7662


 37.4330, 38.9662,
6.0154

 65.7099, 66.7826,
104.0348

 36.8000, 37.8426,
5.3648

 66.7278, 68.8182,
104.3741

 67.7708, 70.9043,
104.7217

 68.8392, 73.0411,
105.0779

Harmonies

Analogous

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



51.8199, 50.1615, 32.0345



46.5145, 50.1615, 30.5231



41.8715, 50.1615, 34.4446

Triad

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



46.5145, 50.1615, 30.5231



39.9831, 50.1615, 73.8706



57.6192, 50.1615, 66.9857

Complementary

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



46.5145, 50.1615, 30.5231



31.4431, 30.9452, 59.5741

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.



53.9957, 50.1615, 81.4391



46.5145, 50.1615, 30.5231



43.7610, 50.1615, 85.8993

Square

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



46.5145, 50.1615, 30.5231



38.2848, 50.1615, 58.0433



48.8587, 50.1615, 88.8979



58.4920, 50.1615, 51.3289

Rectangle

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



46.5145, 50.1615, 30.5231



39.6895, 50.1615, 40.1309



48.8587, 50.1615, 88.8979



56.6701, 50.1615, 72.2275

Sweetspot

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



46.5158, 50.1638, 30.5241



89.6079, 95.2554, 88.1586



38.3167, 32.1963, 32.6294



19.0259, 20.2510, 18.2937



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.



46.5158, 50.1638, 30.5241



76.9447, 83.1290, 43.2432



44.5043, 53.4353, 31.2616



11.3368, 12.0428, 11.2897



23.2042, 23.9256, 3.3951



1.1458, 1.2271, 0.1765

Inverse Universe

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



31.4431, 30.9452, 59.5741



47.0877, 45.0717, 100.8257



32.9610, 28.8441, 59.0886



10.2256, 10.6252, 13.4294



7.1624, 3.7187, 35.0846



0.3913, 0.2805, 1.6787

Previews

White Background



This preview shows how the XYZ color 46.5145, 50.1615, 30.5231 looks on a white background.

Color Contrast Check

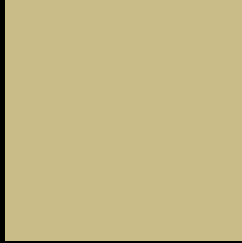
Large Text (above 18pt) WCAG AA × Fail

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 46.5145, 50.1615, 30.5231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

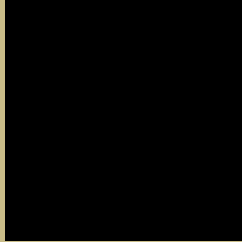
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.5145, 50.1615, 30.5231

Background



This preview shows how black text looks on a background with the XYZ color 46.5145, 50.1615, 30.5231.

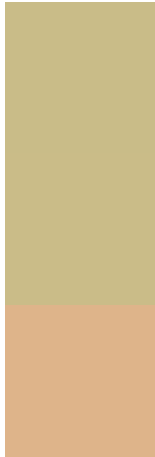


This preview shows how white text looks on a background with the XYZ color 46.5145, 50.1615,

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

46.5145, 50.1615, 30.5231

Protanopia

46.7843, 50.3006, 30.5357

Deuteranopia

51.0329, 50.0071, 31.0074



Tritanopia

52.1840, 49.9925, 58.5289

Trichromacy



Original Color

46.5145, 50.1615, 30.5231

Protanomaly

46.7843, 50.3006, 30.5357

Deuteranomaly

49.1804, 49.9693, 30.7199

Tritanomaly

49.7503, 49.9021, 47.0543

Monochromacy



Original Color

46.5145, 50.1615, 30.5231

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.3241, 49.4442, 44.1479

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5145, 50.1615, 30.5231 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(201, 188, 136)` looks like.

```
.text, #text, p{  
    color:rgb(201, 188, 136)  
}
```

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(201, 188, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 188, 136) }
```

Border

The CSS property to change the border of an element to XYZ 46.5145, 50.1615, 30.5231 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(201, 188, 136) }
```


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

```
.border{ border-color:rgb(201, 188, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 188, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 188, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 188, 136);  
box-shadow:4px 4px 4px 4px rgb(201, 188,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5145, 50.1615, 30.5231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 188, 136) }
```

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

```
.background{ background-color: rgb(201,  
188, 136) }
```

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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