

Converting Colors

XYZ(46.1915, 50.9288, 36.3667)

Have a look what the booklet for
XYZ(46.1915, 50.9288, 36.3667)
contains.

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Color

**XYZ(46.1281, 50.8011,
36.2285)**

Conversions

Conversions Part 1

Format	Color
Hex	C1BF96
RGB	193, 191, 150
RGB Percent	76%, 75%, 59%
CMY	0.2431, 0.2510, 0.4118
CMYK	0.00, 0.01, 0.22, 0.24
HSL	57°, 26%, 67%
HSV	57°, 22%, 76%
XYZ	46.1281, 50.8011, 36.2285
YIQ	186.9240, 14.3530, -12.3270

Conversions

Conversions Part 2

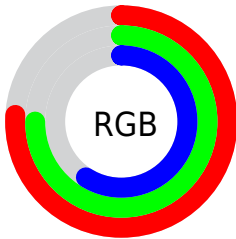
Format	Color
RYB	152, 193, 150
Decimal	12697494
CIELab	76.56, -6.03, 21.00
CIELCh	77, 21.844, 106.027
Yxy	50.8011, 0.3464, 0.3815
Android (android.graphics.Color)	4290887574 (0xFFC1BF96)
YUV	186.9240, -18.2035, 5.3287
Hunter-Lab	71.2749, -9.2084, 19.7558

Details

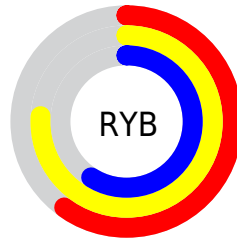
The XYZ color **46.1281, 50.8011, 36.2285** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **33.4313, 32.7898, 55.0192**, and the grayscale version is **47.2861, 49.7486, 54.1763**.

A 20% lighter version of the original color is **83.5842, 91.2052, 70.3257**, and **21.9881, 24.5668, 15.3873** is the 20% darker color. If you saturate the color by 10%, you get **44.5061, 49.8425, 28.6417**, and if you desaturate by 10%, it is **48.0100, 51.8690, 45.1661**.

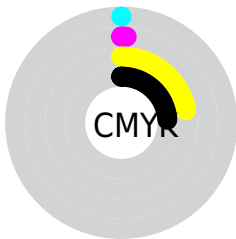
Distribution



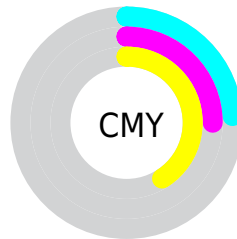
- Red (76%)
- Green (75%)
- Blue (59%)



- Red (60%)
- Yellow (76%)
- Blue (59%)



- Cyan (0%)
- Magenta (1%)
- Yellow (22%)
- Black (24%)





- Cyan (24%)
- Magenta (25%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.1281, 50.8011, 36.2285 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 46.1281, 50.8011, 36.2285 by changing the saturation by 10% instead.


 46.1281, 50.8011,
36.2285


 46.1281, 50.8011,
36.2285


362.0307,
389.7905, 345.0257

 32.5520, 36.0503,
24.3196


 83.6374, 91.3607,
70.5576

 21.9410, 24.4731,
15.3565

 108.3012,
117.9383, 93.8149

 13.9299, 15.6849,
8.9206


137.3917,
149.2270, 121.6922

 8.1533, 9.3015,
4.5933

171.2741,
185.6112, 154.6078

 4.2458, 4.9383,
1.9562

210.3139,
227.4752, 192.9805

 1.8421, 2.2111,
0.5281

254.8763,

 0.5429, 0.7261,

275.2036, 237.2287

0.0000

305.3268,
329.1805, 287.7709

■ 0.0000, 0.0000,
0.0000

■ 46.1281, 50.8011,
36.2285

■ 46.1281, 50.8011,
36.2285

■ 44.5061, 49.8425,
28.6417

■ 48.0100, 51.8690,
45.1661

■ 43.1275, 48.9814,
22.3364

■ 50.1594, 53.0441,
55.5126

■ 41.9799, 48.2147,
17.2423

■ 52.5886, 54.3331,
67.3267

■ 41.0486, 47.5364,
13.2808

■ 55.3080, 55.7401,
80.6629

■ 40.3168, 46.9397,
10.3643

■ 58.3274, 57.2690,
95.5729

■ 39.7655, 46.4172,
8.3922

■ 59.8677, 58.2081,
102.6877

■ 39.3718, 45.9595,
7.2442

■ 60.0708, 58.6143,
102.7554

■ 39.1423, 45.6373,
6.7459

■ 60.2751, 59.0229,
102.8235

■ 60.4806, 59.4340,
102.8920

Harmonies

Analogous

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



50.2254, 50.8011, 36.0698



46.1281, 50.8011, 36.2285



42.7990, 50.8011, 40.9942

Triad

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



46.1281, 50.8011, 36.2285



42.9848, 50.8011, 73.3238



56.3976, 50.8011, 60.9817

Complementary

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



46.1281, 50.8011, 36.2285



33.4313, 32.7898, 55.0192

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.



54.2206, 50.8011, 72.6311



46.1281, 50.8011, 36.2285



46.3951, 50.8011, 80.4136

Square

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



46.1281, 50.8011, 36.2285



41.0561, 50.8011, 61.8251



50.5079, 50.8011, 80.1434



56.3160, 50.8011, 49.2765

Rectangle

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



46.1281, 50.8011, 36.2285



41.3944, 50.8011, 46.5886



50.5079, 50.8011, 80.1434



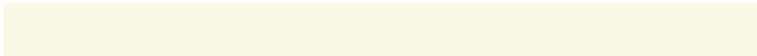
55.9006, 50.8011, 65.0655

Sweetspot

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



46.1294, 50.8034, 36.2296



87.9149, 93.9609, 90.1500



38.5789, 35.4226, 34.5748



18.8108, 20.1304, 19.0999



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.1294, 50.8034, 36.2296



81.0665, 90.0812, 57.6024



41.9530, 49.3007, 36.1596



10.8721, 11.6756, 10.7425



26.0509, 30.3875, 4.4923



1.1381, 1.3381, 0.1983

Inverse Universe

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



33.4313, 32.7898, 55.0192



54.0979, 51.8247, 97.5122



36.9698, 34.1373, 55.0928



9.5650, 9.8213, 12.6764



6.4831, 2.7227, 33.7404



0.2933, 0.1440, 1.4622

Previews

White Background



This preview shows how the XYZ color 46.1281, 50.8011, 36.2285 looks on a white background.

Color Contrast Check

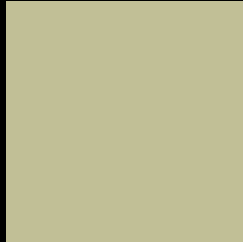
Large Text (above 18pt) WCAG AA × Fail

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 46.1281, 50.8011, 36.2285 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

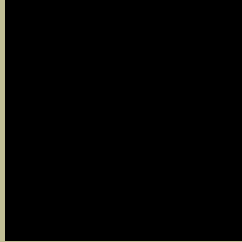
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

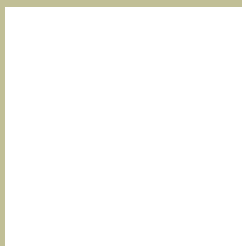
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.1281, 50.8011, 36.2285

Background



This preview shows how black text looks on a background with the XYZ color 46.1281, 50.8011, 36.2285.



This preview shows how white text looks on a background with the XYZ color 46.1281, 50.8011,

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

46.1281, 50.8011, 36.2285

Protanopia

47.4954, 50.5539, 35.6884

Deuteranopia

51.7066, 50.5304, 36.7339



Tritanopia

51.0025, 50.5466, 61.1012

Trichromacy



Original Color

46.1281, 50.8011, 36.2285

Protanomaly

46.9111, 50.5709, 35.7224

Deuteranomaly

49.5132, 50.6339, 36.4419

Tritanomaly

49.1368, 50.7472, 50.9215

Monochromacy



Original Color

46.1281, 50.8011, 36.2285

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.6095, 49.8412, 47.2081

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1281, 50.8011, 36.2285 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(193, 191, 150)` looks like.

```
.text, #text, p{  
    color:rgb(193, 191, 150)  
}
```

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(193, 191, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 191, 150) }
```

Border

The CSS property to change the border of an element to XYZ 46.1281, 50.8011, 36.2285 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(193, 191, 150) }
```


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

```
.border{ border-color:rgb(193, 191, 150) }
```

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

Here you see how a box with a 4 pixel rgb(193, 191, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 191, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 191, 150);  
box-shadow:4px 4px 4px 4px rgb(193, 191,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1281, 50.8011, 36.2285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 191, 150) }
```

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

```
.background{ background-color: rgb(193,  
191, 150) }
```

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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