

Converting Colors

XYZ(46.8571, 51.3168, 43.0873)

Have a look what the booklet for
XYZ(46.8571, 51.3168, 43.0873)
contains.

XYZ(46.8764, 51.3630, 43.0407)	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(46.8764, 51.3630,
43.0407)**

Conversions

Conversions Part 1

Format	Color
Hex	BEC0A5
RGB	190, 192, 165
RGB Percent	75%, 75%, 65%
CMY	0.2549, 0.2470, 0.3529
CMYK	0.01, 0.00, 0.14, 0.25
HSL	64°, 18%, 70%
HSV	64°, 14%, 75%
XYZ	46.8764, 51.3630, 43.0407
YIQ	188.3240, 7.4750, -8.8210

Conversions

Conversions Part 2

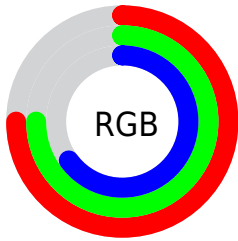
Format	Color
RYB	165, 192, 167
Decimal	12501157
CIELab	76.90, -5.38, 13.39
CIELCh	77, 14.430, 111.904
Yxy	51.3630, 0.3318, 0.3636
Android (android.graphics.Color)	4290691237 (0xFFBEC0A5)
YUV	188.3240, -11.4987, 1.4699
Hunter-Lab	71.6680, -8.6662, 14.5606

Details

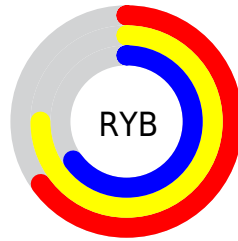
The XYZ color **46.8764, 51.3630, 43.0407** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **38.9078, 38.9328, 55.3360**, and the grayscale version is **48.0457, 50.5478, 55.0466**.

A 20% lighter version of the original color is **84.4917, 91.8949, 80.9945**, and **22.5298, 24.9759, 19.2562** is the 20% darker color. If you saturate the color by 10%, you get **44.9048, 50.5352, 34.5006**, and if you desaturate by 10%, it is **49.1167, 52.3021, 52.9651**.

Distribution



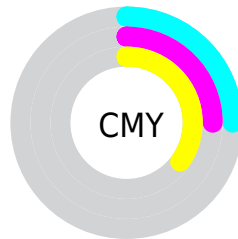
- Red (75%)
- Green (75%)
- Blue (65%)



- Red (65%)
- Yellow (75%)
- Blue (65%)



- Cyan (1%)
- Magenta (0%)
- Yellow (14%)
- Black (25%)





- Cyan (25%)
- Magenta (25%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8764, 51.3630, 43.0407 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 46.8764, 51.3630, 43.0407 by changing the saturation by 10% instead.

 46.8764, 51.3630,
43.0407


 46.8764, 51.3630,
43.0407


364.9781,
391.9725, 374.7053

 33.1455, 36.4976,
29.5854


 84.7490, 92.1911,
81.0593

 22.3977, 24.8187,
19.2747


 109.6213,
118.9226, 106.4597

 14.2676, 15.9421,
11.6901


138.9382,
150.3783, 136.6788

 8.3900, 9.4832,
6.4131

173.0650,
186.9424, 172.1353

 4.3994, 5.0576,
3.0250

212.3670,
228.9996, 213.2477

 1.9305, 2.2811,
1.1074

257.2097,

 0.5945, 0.7637,

276.9340, 260.4344

0.0000

307.9582,
331.1302, 314.1141

■ 0.0000, 0.0000,
0.0000

■ 46.8764, 51.3630,
43.0407

■ 46.8764, 51.3630,
43.0407

■ 44.9048, 50.5352,
34.5006

■ 49.1167, 52.3021,
52.9651

■ 43.1861, 49.8072,
27.2801

■ 51.6324, 53.3501,
64.3280

■ 41.7090, 49.1762,
21.3142

■ 54.4352, 54.5134,
77.1848

■ 40.4600, 48.6369,
16.5313

■ 57.5351, 55.7958,
91.5869

■ 39.4241, 48.1832,
12.8525

■ 59.9592, 56.8084,
102.4127

■ 38.5845, 47.8085,
10.1892

■ 60.3344, 57.0018,
102.4302

■ 37.9217, 47.5048,
8.4394

■ 60.7131, 57.1971,
102.4480

■ 37.4123, 47.2629,
7.4796

■ 61.0953, 57.3941,
102.4658

■ 37.1552, 47.1377,
7.1402

■ 61.4811, 57.5930,
102.4839

Harmonies

Analogous

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



49.5661, 51.3630, 42.2557



46.8764, 51.3630, 43.0407



44.7820, 51.3630, 47.1082

Triad

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



46.8764, 51.3630, 43.0407



45.6344, 51.3630, 68.6846



54.2330, 51.3630, 58.0815

Complementary

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



46.8764, 51.3630, 43.0407



38.9078, 38.9328, 55.3360

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.



53.0915, 51.3630, 65.7797



46.8764, 51.3630, 43.0407



48.0794, 51.3630, 72.2651

Square

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



46.8764, 51.3630, 43.0407



44.0839, 51.3630, 61.7561



50.8145, 51.3630, 71.1551



53.8815, 51.3630, 50.4741

Rectangle

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



46.8764, 51.3630, 43.0407



43.9720, 51.3630, 51.3606



50.8145, 51.3630, 71.1551



54.0097, 51.3630, 60.7533

Sweetspot

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



46.8778, 51.3653, 43.0418



88.9918, 94.7635, 95.9641



42.3135, 41.4886, 41.3760



19.0219, 20.3008, 20.2751



92.9021, 97.7402, 106.4391



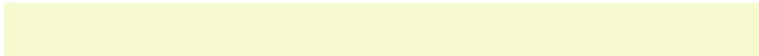
19.4759, 20.4902, 22.3138

Same Dimension

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



46.8778, 51.3653, 43.0418



83.7370, 92.5628, 72.7521



43.7062, 49.7302, 42.8934



10.8373, 11.7191, 10.7527



25.0289, 31.7317, 4.8057



1.1038, 1.3826, 0.2087

Inverse Universe

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



38.9078, 38.9328, 55.3360



66.3943, 65.5092, 99.5055



41.8634, 40.4565, 55.4743



9.5960, 9.7829, 12.6674



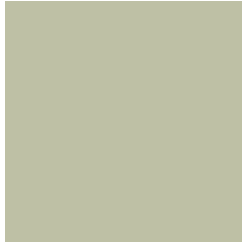
6.5527, 2.6385, 33.7205



0.3074, 0.1265, 1.4581

Previews

White Background



This preview shows how the XYZ color 46.8764, 51.3630, 43.0407 looks on a white background.

Color Contrast Check

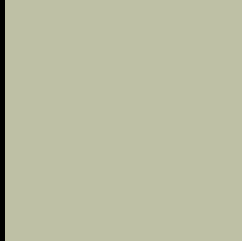
Large Text (above 18pt) WCAG AA × Fail

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 46.8764, 51.3630, 43.0407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

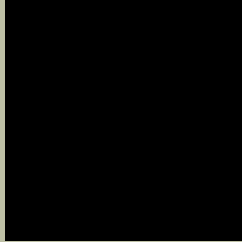
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

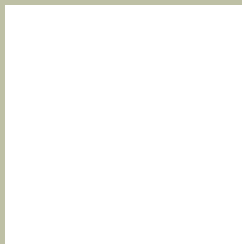
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.8764, 51.3630, 43.0407

Background



This preview shows how black text looks on a background with the XYZ color 46.8764, 51.3630, 43.0407.



This preview shows how white text looks on a background with the XYZ color 46.8764, 51.3630,

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

46.8764, 51.3630, 43.0407

Protanopia

48.4516, 51.2176, 42.4543

Deuteranopia

52.2274, 51.2559, 43.6999



Tritanopia

50.9367, 51.4070, 63.1150

Trichromacy



Original Color

46.8764, 51.3630, 43.0407

Protanomaly

47.8792, 51.2430, 42.4893

Deuteranomaly

50.1740, 51.1364, 43.3022

Tritanomaly

49.3752, 51.4068, 55.4643

Monochromacy



Original Color

46.8764, 51.3630, 43.0407

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.4221, 50.5093, 50.4299

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8764, 51.3630, 43.0407 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(190, 192, 165)` looks like.

```
.text, #text, p{  
    color:rgb(190, 192, 165)  
}
```

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(190, 192, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 192, 165) }
```

Border

The CSS property to change the border of an element to XYZ 46.8764, 51.3630, 43.0407 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(190, 192, 165) }
```


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

```
.border{ border-color:rgb(190, 192, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 192, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 192, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 192, 165);  
box-shadow:4px 4px 4px 4px rgb(190, 192,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8764, 51.3630, 43.0407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 192, 165) }
```

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

```
.background{ background-color: rgb(190,  
192, 165) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor