

Converting Colors

XYZ(46.4602, 51.7635, 43.2074)

Have a look what the booklet for
XYZ(46.4602, 51.7635, 43.2074)
contains.

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Color

**XYZ(46.5768, 51.8650,
43.1534)**

Conversions

Conversions Part 1

Format	Color
Hex	BBC2A5
RGB	187, 194, 165
RGB Percent	73%, 76%, 65%
CMY	0.2667, 0.2392, 0.3529
CMYK	0.04, 0.00, 0.15, 0.24
HSL	74°, 19%, 70%
HSV	74°, 15%, 76%
XYZ	46.5768, 51.8650, 43.1534
YIQ	188.6010, 5.1370, -10.5030

Conversions

Conversions Part 2

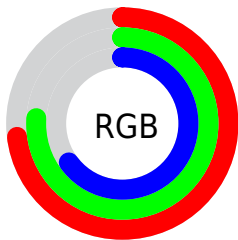
Format	Color
RYB	165, 194, 172
Decimal	12305061
CIELab	77.20, -7.53, 13.78
CIELCh	77, 15.702, 118.643
Yxy	51.8650, 0.3289, 0.3663
Android (android.graphics.Color)	4290495141 (0xFFBBC2A5)
YUV	188.6010, -11.6353, -1.4041
Hunter-Lab	72.0174, -10.5866, 14.8851

Details

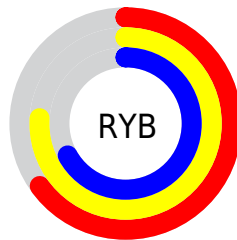
The XYZ color **46.5768, 51.8650, 43.1534** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **40.2081, 39.5774, 56.5618**, and the grayscale version is **48.2053, 50.7158, 55.2295**.

A 20% lighter version of the original color is **84.0660, 92.5932, 81.1517**, and **22.1902, 25.0168, 19.2820** is the 20% darker color. If you saturate the color by 10%, you get **43.8161, 50.6322, 34.4954**, and if you desaturate by 10%, it is **49.6456, 53.2288, 53.2263**.

Distribution



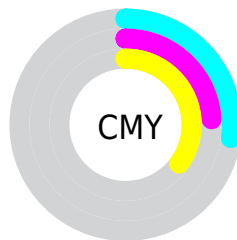
- Red (73%)
- Green (76%)
- Blue (65%)



- Red (65%)
- Yellow (76%)
- Blue (67%)



- Cyan (4%)
- Magenta (0%)
- Yellow (15%)
- Black (24%)



- Cyan (27%)
- Magenta (24%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.5768, 51.8650, 43.1534 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 46.5768, 51.8650, 43.1534 by changing the saturation by 10% instead.

■ 46.5768, 51.8650,
43.1534

■ 46.5768, 51.8650,
43.1534

363.7999,
393.9152, 375.1820

■ 32.9078, 36.8975,
29.6732

■ 84.3042, 92.9321,
81.2311

■ 22.2147, 25.1281,
19.3407

■ 109.0932,
119.8005, 106.6658

■ 14.1322, 16.1725,
11.7374

138.3196,
151.4046, 136.9223

■ 8.2950, 9.6463,
6.4448

172.3488,
188.1289, 172.4192

■ 4.3377, 5.1651,
3.0443

211.5461,
230.3577, 213.5751

■ 1.8949, 2.3445,
1.1173

256.2768,

■ 0.5739, 0.7971,

278.4754, 260.8085

0.0000

306.9063,
332.8665, 314.5379

■ 0.0000, 0.0000,
0.0000

■ 46.5768, 51.8650,
43.1534

■ 46.5768, 51.8650,
43.1534

■ 43.8161, 50.6322,
34.4954

■ 49.6456, 53.2288,
53.2263

■ 41.3470, 49.5186,
27.1854

■ 53.0299, 54.7215,
64.7700

■ 39.1576, 48.5210,
21.1565

■ 56.7421, 56.3497,
77.8416

■ 37.2333, 47.6338,
16.3345

■ 60.7926, 58.1177,
92.4942

■ 35.5584, 46.8504,
12.6376

■ 64.0429, 59.5701,
102.7305

■ 34.1149, 46.1637,
9.9740

■ 65.4001, 60.2698,
102.7940

■ 32.8824, 45.5655,
8.2372

■ 66.7967, 60.9898,
102.8594

■ 31.8358, 45.0457,
7.2981

■ 68.2331, 61.7302,
102.9266

■ 31.3528, 44.8029,
6.9954

■ 69.7095, 62.4913,
102.9957

Harmonies

Analogous

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



49.4331, 51.8650, 41.4859



46.5768, 51.8650, 43.1534



44.5228, 51.8650, 48.2880

Triad

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



46.5768, 51.8650, 43.1534



46.3489, 51.8650, 71.8218



55.3038, 51.8650, 56.8651

Complementary

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



46.5768, 51.8650, 43.1534



40.2081, 39.5774, 56.5618

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.



54.3990, 51.8650, 65.5324



46.5768, 51.8650, 43.1534



49.1594, 51.8650, 74.6921

Square

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



46.5768, 51.8650, 43.1534



44.3950, 51.8650, 64.7854



52.1193, 51.8650, 72.2830



54.5453, 51.8650, 48.9024

Rectangle

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



46.5768, 51.8650, 43.1534



43.8432, 51.8650, 53.2744



52.1193, 51.8650, 72.2830



55.1835, 51.8650, 59.7954

Sweetspot

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



46.5782, 51.8673, 43.1545



90.4602, 96.6619, 98.1717



43.7497, 43.6038, 41.7086



19.7113, 21.1244, 21.1679



0.0000, 0.0000, 0.0000



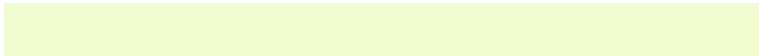
20.3446, 21.4041, 23.3091

Same Dimension

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



46.5782, 51.8673, 43.1545



82.6538, 93.1939, 72.6691



43.2598, 50.1565, 42.9992



10.6681, 11.6319, 10.7448



20.6890, 29.4944, 4.6026



0.9525, 1.3046, 0.2016

Inverse Universe

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



40.2081, 39.5774, 56.5618



68.8655, 66.5897, 101.6933



43.5091, 41.2791, 56.7163



9.7511, 9.8628, 12.6746



7.2312, 2.9883, 33.7523



0.3768, 0.1623, 1.4614

Previews

White Background



This preview shows how the XYZ color 46.5768, 51.8650, 43.1534 looks on a white background.

Color Contrast Check

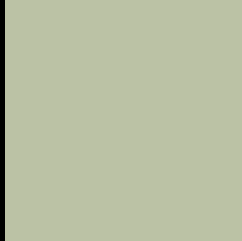
Large Text (above 18pt) WCAG AA × Fail

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 46.5768, 51.8650, 43.1534 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

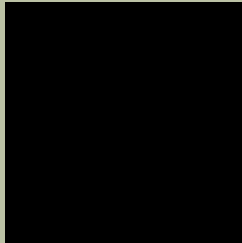
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

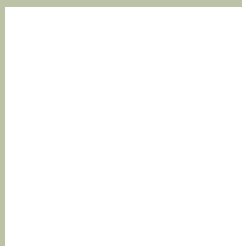
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.5768, 51.8650, 43.1534

Background



This preview shows how black text looks on a background with the XYZ color 46.5768, 51.8650, 43.1534.



This preview shows how white text looks on a background with the XYZ color 46.5768, 51.8650,

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

46.5768, 51.8650, 43.1534

Protanopia

48.8437, 51.7506, 42.0649

Deuteranopia

52.5238, 51.4087, 43.7138



Tritanopia

50.9694, 52.0444, 63.8591

Trichromacy



Original Color

46.5768, 51.8650, 43.1534

Protanomaly

47.8373, 51.5440, 42.5497

Deuteranomaly

50.1069, 51.4156, 43.3597

Tritanomaly

49.3020, 52.0121, 55.5850

Monochromacy



Original Color

46.5768, 51.8650, 43.1534

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

47.6081, 51.2483, 50.5627

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5768, 51.8650, 43.1534 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(187, 194, 165)` looks like.

```
.text, #text, p{  
    color:rgb(187, 194, 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(187, 194, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 194, 165) }
```

Border

The CSS property to change the border of an element to XYZ 46.5768, 51.8650, 43.1534 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(187, 194, 165) }
```


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

```
.border{ border-color:rgb(187, 194, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 194, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 194, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 194, 165);  
box-shadow:4px 4px 4px 4px rgb(187, 194,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5768, 51.8650, 43.1534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 194, 165) }
```

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

```
.background{ background-color: rgb(187,  
194, 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](#).

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