

Converting Colors

XYZ(45.8648, 53.2837, 30.8893)

Have a look what the booklet for
XYZ(45.8648, 53.2837, 30.8893)
contains.

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Color

**XYZ(46.0318, 53.5433,
30.8304)**

Conversions

Conversions Part 1

Format	Color
Hex	BEC787
RGB	190, 199, 135
RGB Percent	75%, 78%, 53%
CMY	0.2549, 0.2196, 0.4706
CMYK	0.05, 0.00, 0.32, 0.22
HSL	68°, 36%, 65%
HSV	68°, 32%, 78%
XYZ	46.0318, 53.5433, 30.8304
YIQ	189.0130, 15.1800, -21.8120

Conversions

Conversions Part 2

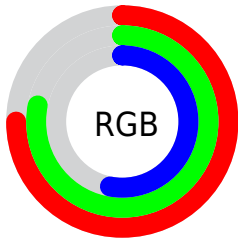
Format	Color
R_{YB}	135, 199, 144
Decimal	12502919
CIE _{Lab}	78.19, -13.36, 31.07
CIE _{LCh}	78, 33.822, 113.262
Yxy	53.5433, 0.3530, 0.4106
Android (android.graphics.Color)	4290692999 (0xFFBEC787)
YUV	189.0130, -26.6284, 0.8656
Hunter-Lab	73.1733, -15.7626, 26.2404

Details

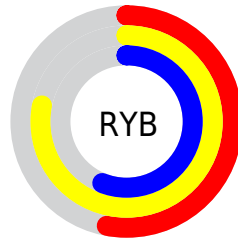
The XYZ color **46.0318, 53.5433, 30.8304** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **30.4764, 27.3822, 57.7149**, and the grayscale version is **48.5198, 51.0467, 55.5898**.

A 20% lighter version of the original color is **83.3031, 94.9683, 62.0843**, and **21.8790, 26.1251, 12.2770** is the 20% darker color. If you saturate the color by 10%, you get **44.0675, 52.6794, 24.0958**, and if you desaturate by 10%, it is **48.2742, 54.5237, 38.9472**.

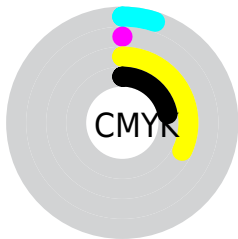
Distribution



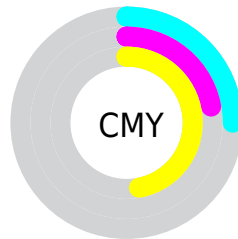
- Red (75%)
- Green (78%)
- Blue (53%)



- Red (53%)
- Yellow (78%)
- Blue (56%)



- Cyan (5%)
- Magenta (0%)
- Yellow (32%)
- Black (22%)





- Cyan (25%)
- Magenta (22%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.0318, 53.5433, 30.8304 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 46.0318, 53.5433, 30.8304 by changing the saturation by 10% instead.


 46.0318, 53.5433,
30.8304


 46.0318, 53.5433,
30.8304


361.6503,
400.3661, 320.0832


 32.4756, 38.2367,
20.2124


 83.4942, 95.4034,
62.0494

 21.8824, 26.1664,
12.3639

 108.1311,
122.7256, 83.4874

 13.8866, 16.9482,
6.8665


 137.1923,
154.8217, 109.3692

 8.1230, 10.1976,
3.3016

171.0432,
192.0763, 140.1133

 4.2262, 5.5301,
1.2506

210.0490,
234.8736, 176.1382

 1.8309, 2.5615,
0.0208

254.5753,

 0.5362, 0.9074,

283.5981, 217.8624

0.0000

304.9872,
338.6341, 265.7046

■ 0.0000, 0.0000,
0.0000

■ 46.0318, 53.5433,
30.8304

■ 46.0318, 53.5433,
30.8304

■ 44.0675, 52.6794,
24.0958

■ 48.2742, 54.5237,
38.9472

■ 42.3625, 51.9189,
18.6630

■ 50.8041, 55.6188,
48.5139

■ 40.9021, 51.2578,
14.4486


■ 53.6357, 56.8361,
59.5977


■ 39.6681, 50.6888,
11.3581


■ 56.7806, 58.1804,
72.2608


■ 38.6401, 50.2037,
9.2830


■ 60.2503, 59.6561,
86.5617


 37.7931, 49.7926,
8.0937

 64.0551, 61.2675,
102.5561

 37.2205, 49.5078,
7.5942

 64.9391, 61.7121,
103.0967

 65.7413, 62.1257,
103.1343

 66.5575, 62.5465,
103.1725

Harmonies

Analogous

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



52.3982, 53.5433, 29.0923



46.0318, 53.5433, 30.8304



41.3644, 53.5433, 39.1135

Triad

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



46.0318, 53.5433, 30.8304



43.6565, 53.5433, 92.6319



64.5955, 53.5433, 62.6784

Complementary

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



46.0318, 53.5433, 30.8304



30.4764, 27.3822, 57.7149

Split Complementary

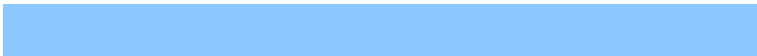
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



61.7791, 53.5433, 82.9138



46.0318, 53.5433, 30.8304



49.4136, 53.5433, 102.4694

Square

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



46.0318, 53.5433, 30.8304



40.0783, 53.5433, 73.9005



56.0813, 53.5433, 98.5738



63.4928, 53.5433, 45.0650

Rectangle

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



46.0318, 53.5433, 30.8304



39.6576, 53.5433, 48.4261



56.0813, 53.5433, 98.5738



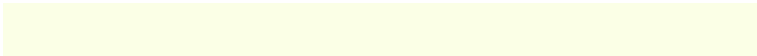
64.0682, 53.5433, 69.4313

Sweetspot

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



46.0332, 53.5457, 30.8315



89.9051, 97.7910, 88.6323



37.8309, 33.6983, 27.4329



19.0981, 20.8687, 18.4092



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.



46.0332, 53.5457, 30.8315



78.0010, 92.6072, 45.0170



38.9911, 49.9154, 30.5020



11.3715, 12.3385, 11.3450



23.9882, 31.8617, 4.8856



1.1772, 1.5300, 0.2333

Inverse Universe

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



30.4764, 27.3822, 57.7149



46.3418, 39.3413, 99.7589



36.7737, 30.6285, 58.0097



10.1932, 10.3579, 13.3795



6.9813, 2.8332, 34.9233



0.3767, 0.1580, 1.6558

Previews

White Background



This preview shows how the XYZ color 46.0318, 53.5433, 30.8304 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 46.0318, 53.5433, 30.8304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

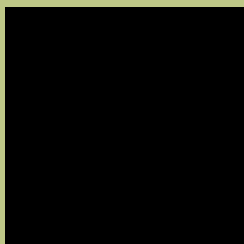
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

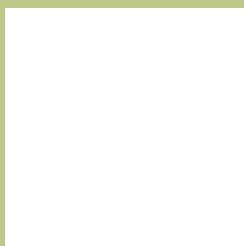
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.0318, 53.5433, 30.8304

Background



This preview shows how black text looks on a background with the XYZ color 46.0318, 53.5433, 30.8304.



This preview shows how white text looks on a background with the XYZ color 46.0318, 53.5433,

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

46.0318, 53.5433, 30.8304

Protanopia

49.5981, 53.3887, 29.8812

Deuteranopia

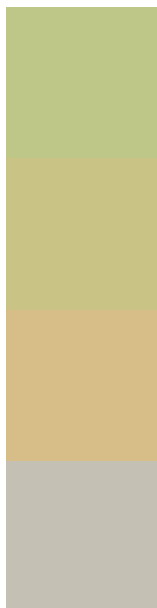
54.2495, 53.1909, 31.4524



Tritanopia

52.9861, 53.3768, 65.2677

Trichromacy



Original Color

46.0318, 53.5433, 30.8304

Protanomaly

48.1753, 53.3080, 30.3046

Deuteranomaly

50.9531, 53.0801, 31.2269

Tritanomaly

50.0731, 53.1710, 50.8039

Monochromacy



Original Color

46.0318, 53.5433, 30.8304

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

47.2177, 51.8233, 45.0504

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0318, 53.5433, 30.8304 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, 199, 135)` looks like.

```
.text, #text, p{  
    color:rgb(190, 199, 135)  
}
```

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, 199, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 199, 135) }
```

Border

The CSS property to change the border of an element to XYZ 46.0318, 53.5433, 30.8304 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, 199, 135) }
```


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

```
.border{ border-color:rgb(190, 199, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 199, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 199, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 199, 135);  
box-shadow:4px 4px 4px 4px rgb(190, 199,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0318, 53.5433, 30.8304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 199, 135) }
```

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

```
.background{ background-color: rgb(190,  
199, 135) }
```

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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