

Converting Colors

XYZ(46.2717, 46.3109, 57.7391)

Have a look what the booklet for
XYZ(46.2717, 46.3109, 57.7391)
contains.

XYZ(46.1515, 46.3006, 57.5434)	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(46.1515, 46.3006,
57.5434)**

Conversions

Conversions Part 1

Format	Color
Hex	BBB2C2
RGB	187, 178, 194
RGB Percent	73%, 70%, 76%
CMY	0.2667, 0.3019, 0.2392
CMYK	0.04, 0.08, 0.00, 0.24
HSL	274°, 12%, 73%
HSV	274°, 8%, 76%
XYZ	46.1515, 46.3006, 57.5434
YIQ	182.5150, 0.2280, 6.8840

Conversions

Conversions Part 2

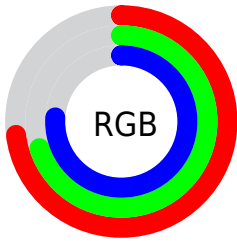
Format	Color
RYB	187, 178, 194
Decimal	12300994
CIELab	73.74, 6.18, -6.98
CIELCh	74, 9.321, 311.555
Yxy	46.3006, 0.3077, 0.3087
Android (android.graphics.Color)	4290491074 (0xFFBBB2C2)
YUV	182.5150, 5.6621, 3.9333
Hunter-Lab	68.0445, 1.9904, -2.5087

Details

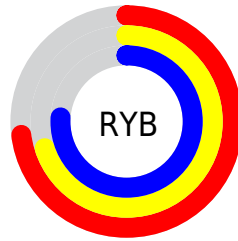
The XYZ color **46.1515, 46.3006, 57.5434** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.3369, 52.1134, 49.6857**, and the grayscale version is **44.7154, 47.0440, 51.2310**.

A 20% lighter version of the original color is **83.6403, 84.8025, 102.4027**, and **21.8988, 21.6290, 27.8316** is the 20% darker color. If you saturate the color by 10%, you get **40.5458, 38.0812, 56.2530**, and if you desaturate by 10%, it is **52.4286, 55.6791, 59.0235**.

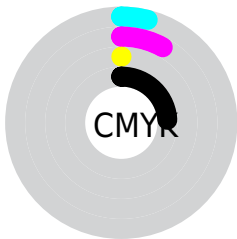
Distribution



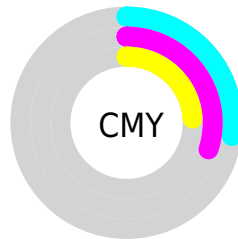
- Red (73%)
- Green (70%)
- Blue (76%)



- Red (73%)
- Yellow (70%)
- Blue (76%)



- Cyan (4%)
- Magenta (8%)
- Yellow (0%)
- Black (24%)



- Cyan (27%)
- Magenta (30%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.1515, 46.3006, 57.5434 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 46.1515, 46.3006, 57.5434 by changing the saturation by 10% instead.

■ 46.1515, 46.3006,
57.5434

■ 46.1515, 46.3006,
57.5434

362.1231,
372.0158, 433.0330

■ 32.5705, 32.4831,
41.0294

■ 83.6722, 84.6687,
102.7658

■ 21.9553, 21.7308,
28.0222

108.3426,
109.9881, 132.3114

■ 13.9405, 13.6592,
18.1032

137.4401,
139.9102, 167.0378

■ 8.1607, 7.8840,
10.8539

171.3302,
174.8195, 207.3638

■ 4.2506, 4.0208,
5.8557

210.3782,
215.1003, 253.7077

■ 1.8449, 1.6852,
2.6902

254.9495,

■ 0.5445, 0.4141,

261.1370, 306.4882

0.9385

305.4093,
313.3141, 366.1238

■ 0.0000, 0.0000,
0.0000

■ 46.1515, 46.3006,
57.5434

■ 46.1515, 46.3006,
57.5434

■ 40.5458, 38.0812,
56.2530

■ 52.4286, 55.6791,
59.0235

■ 35.5826, 30.9682,
55.1417

■ 59.3964, 66.2546,
60.6975

■ 31.2366, 24.9137,
54.2021

■ 67.0787, 78.0707,
62.5734

■ 27.4792, 19.8638,
53.4254

■ 75.3035, 90.7805,
64.5931

■ 24.2795, 15.7600,
52.8020

■ 77.9534, 92.1466,
64.7171

■ 21.6032, 12.5373,
52.3210

■ 80.7359, 93.5810,
64.8473

■ 19.4118, 10.1221,
51.9703

■ 83.6527, 95.0847,
64.9839

■ 17.6603, 8.4284,
51.7357

■ 86.7058, 96.6586,
65.1267

■ 16.2801, 7.3226,
51.5950

■ 86.7377, 96.6751,
65.1282

Harmonies

Analogous

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



44.6476, 46.3006, 59.8770



46.1515, 46.3006, 57.5434



47.0947, 46.3006, 53.3515

Triad

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



46.1515, 46.3006, 57.5434



45.0216, 46.3006, 42.2551



40.9635, 46.3006, 52.2605

Complementary

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



46.1515, 46.3006, 57.5434



47.3369, 52.1134, 49.6857

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.



41.0579, 46.3006, 47.5854



46.1515, 46.3006, 57.5434



43.3732, 46.3006, 42.0036

Square

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



46.1515, 46.3006, 57.5434



46.4311, 46.3006, 44.6081



41.9306, 46.3006, 43.8983



41.6694, 46.3006, 56.7018

Rectangle

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



46.1515, 46.3006, 57.5434



47.2647, 46.3006, 50.1667



41.9306, 46.3006, 43.8983



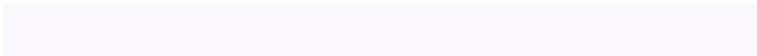
40.9032, 46.3006, 50.6611

Sweetspot

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



46.1529, 46.3026, 57.5444



90.5363, 94.1924, 105.8790



45.4903, 48.1435, 57.9347



19.8517, 20.6648, 23.1924



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.



46.1529, 46.3026, 57.5444



81.5808, 80.8791, 103.7812



47.8178, 47.1713, 57.1546



10.0581, 10.0211, 12.6890



10.6532, 4.7523, 33.9124



0.5383, 0.2455, 1.4689

Inverse Universe

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



46.9271, 46.8150, 52.4641



83.3029, 82.0178, 92.5233



45.7700, 51.2963, 50.0329



10.2521, 10.1495, 11.4183



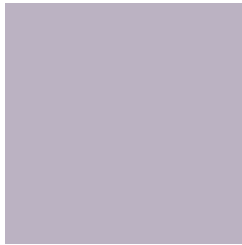
15.7424, 7.9867, 6.5553



0.7148, 0.3589, 0.4653

Previews

White Background



This preview shows how the XYZ color 46.1515, 46.3006, 57.5434 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 46.1515, 46.3006, 57.5434 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

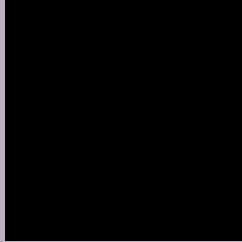
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.1515, 46.3006, 57.5434

Background



This preview shows how black text looks on a background with the XYZ color 46.1515, 46.3006, 57.5434.



This preview shows how white text looks on a background with the XYZ color 46.1515, 46.3006,

57.5434.

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

46.1515, 46.3006, 57.5434

Protanopia

44.9940, 46.2859, 58.1924

Deuteranopia

47.2553, 46.2832, 57.4819



Tritanopia

45.9283, 46.2114, 56.3682

Trichromacy



Original Color

46.1515, 46.3006, 57.5434

Protanomaly

45.4989, 46.2476, 58.1584

Deuteranomaly

46.9456, 46.4157, 57.5238

Tritanomaly

46.0396, 46.2558, 56.9538

Monochromacy



Original Color

46.1515, 46.3006, 57.5434

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

45.2607, 46.8260, 53.6665

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1515, 46.3006, 57.5434 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, 178, 194)` looks like.

```
.text, #text, p{  
    color:rgb(187, 178, 194)  
}
```

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, 178, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 178, 194) }
```

Border

The CSS property to change the border of an element to XYZ 46.1515, 46.3006, 57.5434 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, 178, 194) }
```


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

```
.border{ border-color:rgb(187, 178, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 178, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 178, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 178, 194);  
box-shadow:4px 4px 4px 4px rgb(187, 178,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1515, 46.3006, 57.5434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 178, 194) }
```

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

```
.background{ background-color: rgb(187,  
178, 194) }
```

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