

Converting Colors

XYZ(46.0086, 50.5812, 50.2050)

Have a look what the booklet for
XYZ(46.0086, 50.5812, 50.2050)
contains.

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Color

**XYZ(45.8235, 50.3400,
49.9493)**

Conversions

Conversions Part 1

Format	Color
Hex	B5BFB3
RGB	181, 191, 179
RGB Percent	71%, 75%, 70%
CMY	0.2902, 0.2510, 0.2980
CMYK	0.05, 0.00, 0.06, 0.25
HSL	110°, 9%, 73%
HSV	110°, 6%, 75%
XYZ	45.8235, 50.3400, 49.9493
YIQ	186.6420, -2.1080, -5.8520

Conversions

Conversions Part 2

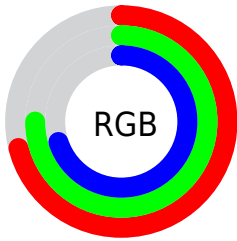
Format	Color
RYB	179, 191, 189
Decimal	11911091
CIELab	76.28, -5.69, 4.85
CIELCh	76, 7.475, 139.536
Yxy	50.3400, 0.3136, 0.3445
Android (android.graphics.Color)	4290101171 (0xFFB5BFB3)
YUV	186.6420, -3.7675, -4.9480
Hunter-Lab	70.9507, -8.8795, 7.9253

Details

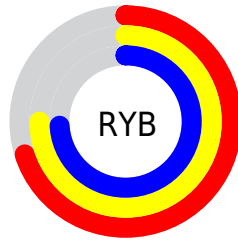
The XYZ color **45.8235, 50.3400, 49.9493** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.5124, 46.8220, 55.8789**, and the grayscale version is **47.0550, 49.5055, 53.9115**.

A 20% lighter version of the original color is **83.1812, 90.5242, 91.6861**, and **21.7565, 24.2725, 23.2770** is the 20% darker color. If you saturate the color by 10%, you get **40.5025, 47.8063, 40.3052**, and if you desaturate by 10%, it is **51.8415, 53.2049, 61.0250**.

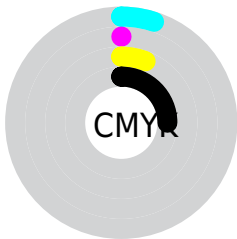
Distribution



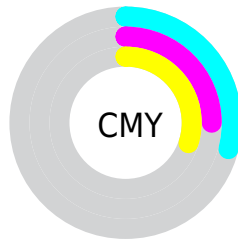
- Red (71%)
- Green (75%)
- Blue (70%)



- Red (70%)
- Yellow (75%)
- Blue (74%)



- Cyan (5%)
- Magenta (0%)
- Yellow (6%)
- Black (25%)



- Cyan (29%)
- Magenta (25%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.8235, 50.3400, 49.9493 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 45.8235, 50.3400, 49.9493 by changing the saturation by 10% instead.

■ 45.8235, 50.3400,
49.9493

■ 45.8235, 50.3400,
49.9493

360.8264,
387.9941, 403.1970

■ 32.3106, 35.6836,
35.0022

■ 83.1843, 90.6784,
91.4953

■ 21.7555, 24.1900,
23.3810

107.7628,
117.1293, 118.9313

■ 13.7930, 15.4746,
14.6672

136.7607,
148.2804, 151.3673

■ 8.0576, 9.1531,
8.4421

170.5432,
184.5162, 189.2219

■ 4.1839, 4.8412,
4.2873

209.4756,
226.2211, 232.9136

■ 1.8067, 2.1544,
1.7843

253.9234,

■ 0.5217, 0.6950,

273.7794, 282.8611

0.4175

304.2519,
327.5756, 339.4827

■ 0.0000, 0.0000,
0.0000

■ 45.8235, 50.3400,
49.9493

■ 45.8235, 50.3400,
49.9493

■ 40.5025, 47.8063,
40.3052

■ 51.8415, 53.2049,
61.0250

■ 35.8490, 45.5857,
32.0311

■ 58.5762, 56.4058,
73.5839

■ 31.8377, 43.6678,
25.0658

■ 66.0517, 59.9553,
87.6790

■ 28.4400, 42.0394,
19.3423

■ 74.2248, 63.8377,
103.0176

■ 25.6251, 40.6861,
14.7877

■ 77.9218, 65.7435,
103.1906

■ 23.3595, 39.5925,
11.3212

■ 21.6061, 38.7415,
8.8519

■ 20.3232, 38.1137,
7.2745

■ 19.4602, 37.6861,
6.4523

Harmonies

Analogous

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



46.9502, 50.3400, 47.8484



45.8235, 50.3400, 49.9493



45.2427, 50.3400, 53.4205

Triad

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



45.8235, 50.3400, 49.9493



47.3584, 50.3400, 62.7653



50.4342, 50.3400, 52.2686

Complementary

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



45.8235, 50.3400, 49.9493



46.5124, 46.8220, 55.8789

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.



50.5487, 50.3400, 56.2268



45.8235, 50.3400, 49.9493



48.7544, 50.3400, 62.4198

Square

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



45.8235, 50.3400, 49.9493



46.1173, 50.3400, 60.9021



49.9285, 50.3400, 59.9798



49.6187, 50.3400, 49.1415

Rectangle

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



45.8235, 50.3400, 49.9493



45.2354, 50.3400, 56.1016



49.9285, 50.3400, 59.9798



50.5566, 50.3400, 53.5417

Sweetspot

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



45.8249, 50.3422, 49.9504



86.4961, 92.2660, 97.5724



47.8223, 50.7286, 49.9197



19.0176, 20.2721, 21.4698



92.9021, 97.7402, 106.4391



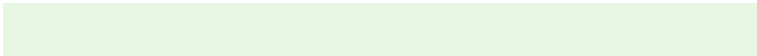
19.4759, 20.4902, 22.3138

Same Dimension

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



45.8249, 50.3422, 49.9504



80.2200, 89.2783, 86.0848



45.7700, 50.2664, 52.0912



9.5529, 10.7239, 10.1431



12.6786, 24.7119, 4.1016



0.5434, 0.9921, 0.1629

Inverse Universe

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



46.5124, 46.8220, 55.8789



81.7925, 81.2258, 99.6464



46.5774, 46.9058, 53.6145



9.7697, 9.6137, 12.0129



15.6589, 7.3585, 32.9879



0.6555, 0.3100, 1.2941

Previews

White Background



This preview shows how the XYZ color 45.8235, 50.3400, 49.9493 looks on a white background.

Color Contrast Check

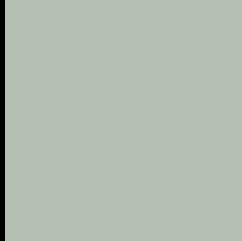
Large Text (above 18pt) WCAG AA × Fail

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 45.8235, 50.3400, 49.9493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

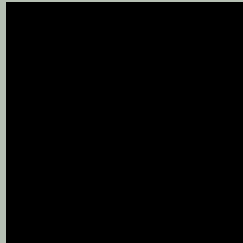
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

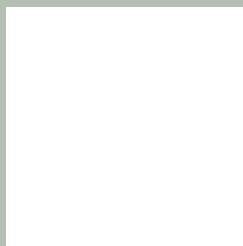
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.8235, 50.3400, 49.9493

Background



This preview shows how black text looks on a background with the XYZ color 45.8235, 50.3400, 49.9493.



This preview shows how white text looks on a background with the XYZ color 45.8235, 50.3400,

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

45.8235, 50.3400, 49.9493

Protanopia

47.9543, 50.1843, 48.7541

Deuteranopia

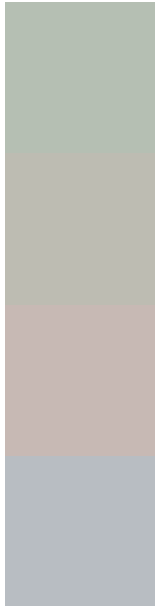
51.3629, 50.3474, 50.7270



Tritanopia

48.6515, 50.5450, 63.0691

Trichromacy



Original Color

45.8235, 50.3400, 49.9493

Protanomaly

47.0054, 49.9996, 49.2929

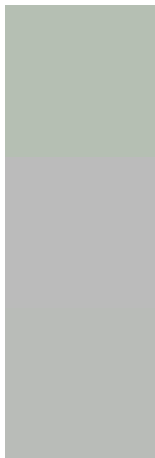
Deuteranomaly

49.1404, 50.1353, 50.2671

Tritanomaly

47.7024, 50.4806, 58.2685

Monochromacy



Original Color

45.8235, 50.3400, 49.9493

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.6425, 49.7414, 52.4901

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8235, 50.3400, 49.9493 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(181, 191, 179)` looks like.

```
.text, #text, p{  
    color:rgb(181, 191, 179)  
}
```

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(181, 191, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 191, 179) }
```

Border

The CSS property to change the border of an element to XYZ 45.8235, 50.3400, 49.9493 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(181, 191, 179) }
```


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

```
.border{ border-color:rgb(181, 191, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 191, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 191, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 191, 179);  
box-shadow:4px 4px 4px 4px rgb(181, 191,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8235, 50.3400, 49.9493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 191, 179) }
```

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

```
.background{ background-color: rgb(181,  
191, 179) }
```

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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