

Converting Colors

XYZ(45.4121, 48.2896, 50.3245)

Have a look what the booklet for
XYZ(45.4121, 48.2896, 50.3245)
contains.

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Color

**XYZ(45.3543, 48.1836,
50.0899)**

Conversions

Conversions Part 1

Format	Color
Hex	B8B9B4
RGB	184, 185, 180
RGB Percent	72%, 73%, 71%
CMY	0.2784, 0.2745, 0.2941
CMYK	0.01, 0.00, 0.03, 0.27
HSL	72°, 3%, 72%
HSV	72°, 3%, 73%
XYZ	45.3543, 48.1836, 50.0899
YIQ	184.1310, 1.0090, -1.7670

Conversions

Conversions Part 2

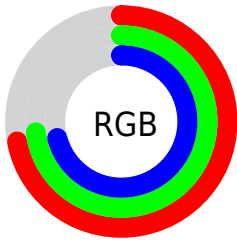
Format	Color
RYB	180, 185, 181
Decimal	12106164
CIELab	74.94, -1.27, 2.40
CIELCh	75, 2.715, 117.822
Yxy	48.1836, 0.3158, 0.3355
Android (android.graphics.Color)	4290296244 (0xFFB8B9B4)
YUV	184.1310, -2.0366, -0.1149
Hunter-Lab	69.4144, -4.8461, 5.8060

Details

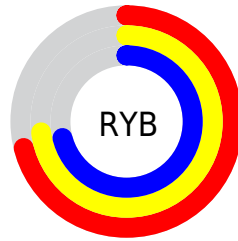
The XYZ color **45.3543, 48.1836, 50.0899** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.1362, 45.9704, 52.4485**, and the grayscale version is **45.6440, 48.0210, 52.2949**.

A 20% lighter version of the original color is **82.5308, 87.4920, 91.8947**, and **21.4421, 22.8601, 23.3610** is the 20% darker color. If you saturate the color by 10%, you get **42.7170, 47.0288, 40.7763**, and if you desaturate by 10%, it is **48.2693, 49.4552, 60.7317**.

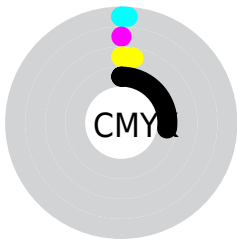
Distribution



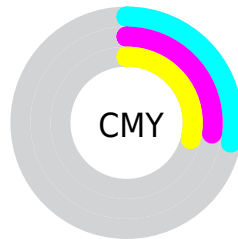
- Red (72%)
- Green (73%)
- Blue (71%)



- Red (71%)
- Yellow (73%)
- Blue (71%)



- Cyan (1%)
- Magenta (0%)
- Yellow (3%)
- Black (27%)



- Cyan (28%)
- Magenta (27%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.3543, 48.1836, 50.0899 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 45.3543, 48.1836, 50.0899 by changing the saturation by 10% instead.

■ 45.3543, 48.1836,
50.0899

■ 45.3543, 48.1836,
50.0899

358.9662,
379.5194, 403.7625

■ 31.9391, 33.9723,
35.1132

■ 82.4856, 87.4777,
91.7057

■ 21.4703, 22.8723,
23.4658

106.9324,
113.3293, 119.1819

■ 13.5826, 14.4993,
14.7293

135.7871,
143.8298, 151.6616

■ 7.9107, 8.4687,
8.4851

169.4150,
179.3636, 189.5635

■ 4.0892, 4.3963,
4.3147

208.1815,
220.3150, 233.3059

■ 1.7527, 1.8976,
1.7995

252.4520,

■ 0.4889, 0.5470,

267.0686, 283.3076

0.4276

302.5917,
320.0085, 339.9869

■ 0.0000, 0.0000,
0.0000

■ 45.3543, 48.1836,
50.0899

■ 45.3543, 48.1836,
50.0899

■ 42.7170, 47.0288,
40.7763

■ 48.2693, 49.4552,
60.7317

■ 40.3431, 45.9806,
32.7356

■ 51.4674, 50.8413,
72.7479

■ 38.2235, 45.0367,
25.9133

■ 54.9591, 52.3475,
86.1860

■ 36.3465, 44.1924,
20.2498

■ 58.7528, 53.9773,
101.0906

■ 34.6997, 43.4429,
15.6805

■ 59.9090, 54.5548,
101.9803

■ 33.2694, 42.7826,
12.1344

■ 60.9292, 55.0807,
102.0281

■ 32.0404, 42.2054,
9.5320

■ 61.9738, 55.6192,
102.0770

■ 30.9953, 41.7042,
7.7824

■ 63.0429, 56.1704,
102.1270

■ 30.1130, 41.2707,
6.7767

■ 64.1367, 56.7342,
102.1782

Harmonies

Analogous

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



45.8332, 48.1836, 49.7869



45.3543, 48.1836, 50.0899



44.9962, 48.1836, 51.0255

Triad

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



45.3543, 48.1836, 50.0899



45.2921, 48.1836, 54.8047



46.7547, 48.1836, 52.5674

Complementary

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



45.3543, 48.1836, 50.0899



44.1362, 45.9704, 52.4485

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.



46.6073, 48.1836, 53.9287



45.3543, 48.1836, 50.0899



45.7609, 48.1836, 55.2349

Square

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



45.3543, 48.1836, 50.0899



44.9605, 48.1836, 53.7462



46.2427, 48.1836, 54.9114



46.6439, 48.1836, 51.2018

Rectangle

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



45.3543, 48.1836, 50.0899



44.8730, 48.1836, 51.8909



46.2427, 48.1836, 54.9114



46.7337, 48.1836, 53.0408

Sweetspot

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



45.3557, 48.1857, 50.0909



82.0728, 86.6647, 92.7553



44.7713, 46.6587, 49.8270



17.6990, 18.6856, 20.0171



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



45.3557, 48.1857, 50.0909



81.0561, 86.2205, 89.0937



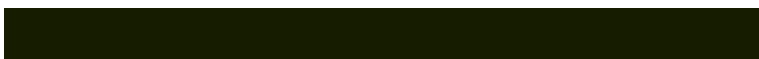
44.7623, 47.8798, 50.0632



9.8972, 10.5538, 10.7758



20.1746, 27.9367, 4.3290



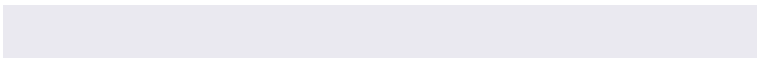
0.7567, 1.0083, 0.1547

Inverse Universe

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



44.1362, 45.9704, 52.4485



78.5996, 81.7579, 93.8428



44.7274, 46.2752, 52.4762



9.5301, 9.8869, 11.4855



6.5341, 2.6797, 31.4259



0.2806, 0.1204, 1.1102

Previews

White Background



This preview shows how the XYZ color 45.3543, 48.1836, 50.0899 looks on a white background.

Color Contrast Check

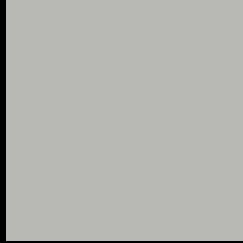
Large Text (above 18pt) WCAG AA × Fail

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 45.3543, 48.1836, 50.0899 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

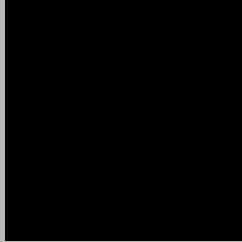
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.3543, 48.1836, 50.0899

Background



This preview shows how black text looks on a background with the XYZ color 45.3543, 48.1836, 50.0899.



This preview shows how white text looks on a background with the XYZ color 45.3543, 48.1836,

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

45.3543, 48.1836, 50.0899

Protanopia

46.2634, 48.3545, 49.5428

Deuteranopia

48.8895, 47.8735, 50.3798



Tritanopia

47.2995, 48.0519, 59.6053

Trichromacy



Original Color

45.3543, 48.1836, 50.0899

Protanomaly

45.7707, 48.1004, 49.5198

Deuteranomaly

47.6293, 48.1197, 50.4938

Tritanomaly

46.5872, 48.0677, 56.1128

Monochromacy



Original Color

45.3543, 48.1836, 50.0899

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

45.4549, 47.8902, 51.6478

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3543, 48.1836, 50.0899 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(184, 185, 180)` looks like.

```
.text, #text, p{  
    color:rgb(184, 185, 180)  
}
```

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(184, 185, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 185, 180) }
```

Border

The CSS property to change the border of an element to XYZ 45.3543, 48.1836, 50.0899 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(184, 185, 180) }
```


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

```
.border{ border-color:rgb(184, 185, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 185, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 185, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 185, 180);  
box-shadow:4px 4px 4px 4px rgb(184, 185,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3543, 48.1836, 50.0899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 185, 180) }
```

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

```
.background{ background-color: rgb(184,  
185, 180) }
```

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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