

Converting Colors

XYZ(45.8131, 48.3394, 53.9244)

Have a look what the booklet for
XYZ(45.8131, 48.3394, 53.9244)
contains.

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Color

**XYZ(45.8470, 48.3531,
53.9304)**

Conversions

Conversions Part 1

Format	Color
Hex	B7B9BB
RGB	183, 185, 187
RGB Percent	72%, 73%, 73%
CMY	0.2823, 0.2745, 0.2667
CMYK	0.02, 0.01, 0.00, 0.27
HSL	210°, 3%, 73%
HSV	210°, 2%, 73%
XYZ	45.8470, 48.3531, 53.9304
YIQ	184.6300, -1.8340, 0.1980

Conversions

Conversions Part 2

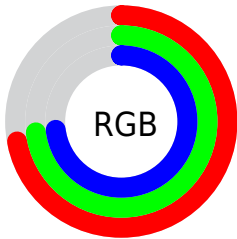
Format	Color
R_{YB}	183, 184, 187
Decimal	12040635
CIE Lab	75.05, -0.32, -1.26
CIE LCh	75, 1.303, 255.935
Yxy	48.3531, 0.3095, 0.3264
Android (android.graphics.Color)	4290230715 (0xFFB7B9BB)
YUV	184.6300, 1.1684, -1.4295
Hunter-Lab	69.5364, -3.9994, 2.6919

Details

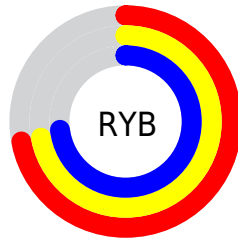
The XYZ color **45.8470, 48.3531, 53.9304** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.3897, 48.6808, 51.7516**, and the grayscale version is **45.9042, 48.2948, 52.5931**.

A 20% lighter version of the original color is **83.2296, 87.7324, 97.3414**, and **21.7603, 22.9696, 25.8409** is the 20% darker color. If you saturate the color by 10%, you get **39.8027, 42.4342, 53.1072**, and if you desaturate by 10%, it is **52.6133, 54.8372, 54.8261**.

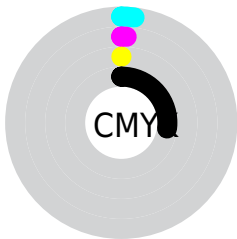
Distribution



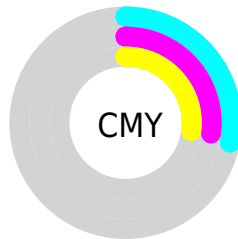
- Red (72%)
- Green (73%)
- Blue (73%)



- Red (72%)
- Yellow (72%)
- Blue (73%)



- Cyan (2%)
- Magenta (1%)
- Yellow (0%)
- Black (27%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.8470, 48.3531, 53.9304 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 45.8470, 48.3531, 53.9304 by changing the saturation by 10% instead.

■ 45.8470, 48.3531,
53.9304

■ 45.8470, 48.3531,
53.9304

360.9195,
380.1900, 419.0117

■ 32.3292, 34.1066,
38.1532

■ 83.2192, 87.7299,
97.4274

■ 21.7698, 22.9755,
25.7989

107.8044,
113.6290, 125.9843

■ 13.8035, 14.5754,
16.4488

136.8094,
144.1811, 159.6383

■ 8.0649, 8.5220,
9.6845

170.5996,
179.7705, 198.8077

■ 4.1887, 4.4307,
5.0874

209.5404,
220.7817, 243.9112

■ 1.8094, 1.9173,
2.2390

253.9970,

■ 0.5233, 0.5587,

267.5991, 295.3674

0.6968

304.3349,
320.6071, 353.5947

■ 0.0000, 0.0000,
0.0000

■ 45.8470, 48.3531,
53.9304

■ 45.8470, 48.3531,
53.9304

■ 39.8027, 42.4342,
53.1072

■ 52.6133, 54.8372,
54.8261

■ 34.4506, 37.0575,
52.3515

■ 60.1216, 61.8963,
55.7929

■ 29.7649, 32.2074,
51.6623

■ 68.3964, 69.5478,
56.8336

■ 25.7167, 27.8649,
51.0375

■ 76.4214, 77.2711,
57.9014

■ 22.2745, 24.0100,
50.4749

■ 78.9746, 82.3775,
58.7525

■ 19.4042, 20.6210,
49.9720

■ 81.6672, 87.7628,
59.6500

■ 17.0677, 17.6739,
49.5263

■ 84.5015, 93.4313,
60.5948

■ 15.2219, 15.1420,
49.1349

■ 85.9698, 96.3679,
61.0842

■ 13.8157, 12.9944,
48.7945

Harmonies

Analogous

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



45.6405, 48.3531, 53.5960



45.8470, 48.3531, 53.9304



46.0840, 48.3531, 53.9192

Triad

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



45.8470, 48.3531, 53.9304



46.3998, 48.3531, 52.2892



45.6300, 48.3531, 51.7417

Complementary

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



45.8470, 48.3531, 53.9304



46.3897, 48.6808, 51.7516

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.



45.8326, 48.3531, 51.3976



45.8470, 48.3531, 53.9304



46.2773, 48.3531, 51.7118

Square

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



45.8470, 48.3531, 53.9304



46.4037, 48.3531, 52.9676



46.0695, 48.3531, 51.3867



45.5155, 48.3531, 52.3303

Rectangle

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



45.8470, 48.3531, 53.9304



46.2274, 48.3531, 53.7171



46.0695, 48.3531, 51.3867



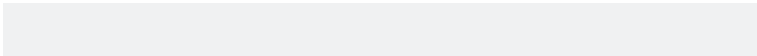
45.6900, 48.3531, 51.5938

Sweetspot

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



45.8484, 48.3552, 53.9315



83.4086, 87.8557, 96.7631



46.0493, 49.1086, 52.9145



18.3812, 19.3601, 21.3106



90.7827, 95.5105, 104.0109



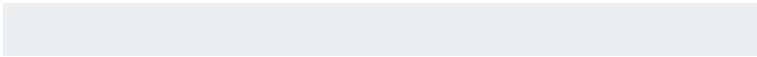
18.6292, 19.5994, 21.3438

Same Dimension

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



45.8484, 48.3552, 53.9315



81.0759, 85.5973, 96.4502



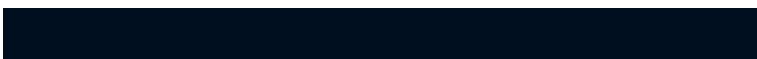
45.4459, 47.5502, 53.7973



10.1765, 10.7524, 12.2113



8.9897, 8.0912, 33.4808



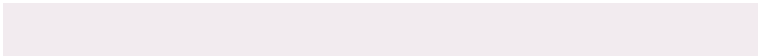
0.4176, 0.4478, 1.3333

Inverse Universe

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



46.1850, 47.9353, 52.7197



81.9314, 84.5379, 93.3685



46.7976, 49.4968, 51.8876



10.3092, 10.5890, 11.7329



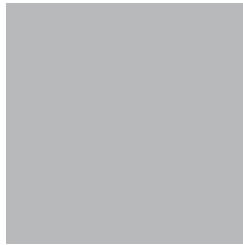
15.5384, 7.8465, 8.1286



0.6417, 0.3206, 0.4923

Previews

White Background



This preview shows how the XYZ color 45.8470, 48.3531, 53.9304 looks on a white background.

Color Contrast Check

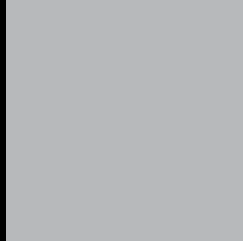
Large Text (above 18pt) WCAG AA × Fail

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 45.8470, 48.3531, 53.9304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

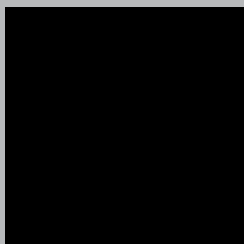
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.8470, 48.3531, 53.9304

Background



This preview shows how black text looks on a background with the XYZ color 45.8470, 48.3531, 53.9304.

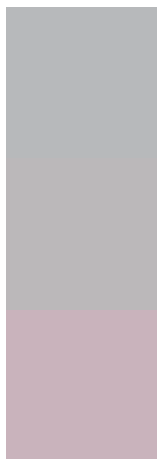


This preview shows how white text looks on a background with the XYZ color 45.8470, 48.3531,

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

45.8470, 48.3531, 53.9304

Protanopia

46.4969, 48.3909, 53.3441

Deuteranopia

49.2846, 48.2885, 54.3000



Tritanopia

47.1341, 48.2585, 60.2567

Trichromacy



Original Color

45.8470, 48.3531, 53.9304

Protanomaly

46.2531, 48.2653, 53.3327

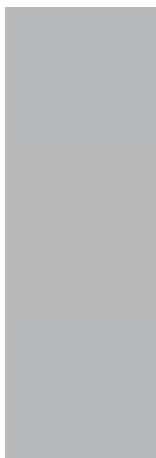
Deuteranomaly

47.8491, 48.1479, 54.3485

Tritanomaly

46.6453, 48.3664, 57.9161

Monochromacy



Original Color

45.8470, 48.3531, 53.9304

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

45.9791, 48.4334, 53.3796

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8470, 48.3531, 53.9304 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(183, 185, 187) looks like.

```
.text, #text, p{  
    color:rgb(183, 185, 187)  
}
```

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(183, 185, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 185, 187) }
```

Border

The CSS property to change the border of an element to XYZ 45.8470, 48.3531, 53.9304 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(183, 185, 187) }
```


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

```
.border{ border-color:rgb(183, 185, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 185, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 185, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 185, 187);  
box-shadow:4px 4px 4px 4px rgb(183, 185,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8470, 48.3531, 53.9304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 185, 187) }
```

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

```
.background{ background-color: rgb(183,  
185, 187) }
```

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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