

Converting Colors

XYZ(45.9814, 48.4469, 49.3113)

Have a look what the booklet for
XYZ(45.9814, 48.4469, 49.3113)
contains.

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Color

**XYZ(45.9792, 48.5174,
49.5893)**

Conversions

Conversions Part 1

Format	Color
Hex	BBB9B3
RGB	187, 185, 179
RGB Percent	73%, 73%, 70%
CMY	0.2667, 0.2745, 0.2980
CMYK	0.00, 0.01, 0.04, 0.27
HSL	45°, 6%, 72%
HSV	45°, 4%, 73%
XYZ	45.9792, 48.5174, 49.5893
YIQ	184.9140, 3.1180, -1.4420

Conversions

Conversions Part 2

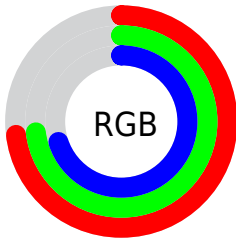
Format	Color
RYB	182, 187, 179
Decimal	12302771
CIELab	75.15, -0.38, 3.28
CIELCh	75, 3.301, 96.683
Yxy	48.5174, 0.3191, 0.3367
Android (android.graphics.Color)	4290492851 (0xFFBBB9B3)
YUV	184.9140, -2.9156, 1.8294
Hunter-Lab	69.6544, -4.0666, 6.5476

Details

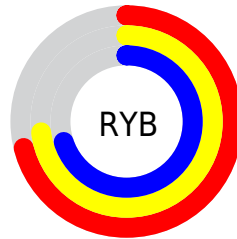
The XYZ color **45.9792, 48.5174, 49.5893** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.0840, 46.2188, 53.6120**, and the grayscale version is **46.0819, 48.4818, 52.7966**.

A 20% lighter version of the original color is **83.4128, 87.9634, 91.1796**, and **21.8487, 23.0772, 23.0415** is the 20% darker color. If you saturate the color by 10%, you get **43.2548, 45.8924, 39.9744**, and if you desaturate by 10%, it is **48.9949, 51.3134, 60.5679**.

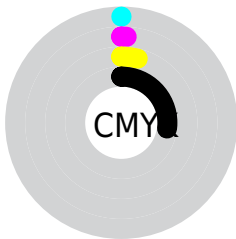
Distribution



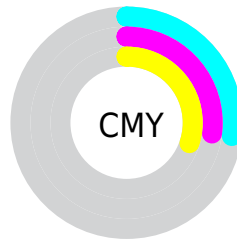
- Red (73%)
- Green (73%)
- Blue (70%)



- Red (71%)
- Yellow (73%)
- Blue (70%)



- Cyan (0%)
- Magenta (1%)
- Yellow (4%)
- Black (27%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.9792, 48.5174, 49.5893 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 45.9792, 48.5174, 49.5893 by changing the saturation by 10% instead.

■ 45.9792, 48.5174,
49.5893

■ 45.9792, 48.5174,
49.5893

361.4424,
380.8393, 401.7466

■ 32.4340, 34.2368,
34.7183

■ 83.4159, 87.9743,
90.9561

■ 21.8503, 23.0756,
23.1641

108.0381,
113.9193, 118.2890

■ 13.8630, 14.6493,
14.5083

137.0833,
144.5213, 150.6128

■ 8.1065, 8.5736,
8.3323

170.9170,
180.1647, 188.3463

■ 4.2155, 4.4642,
4.2175

209.9043,
221.2337, 231.9079

■ 1.8248, 1.9364,
1.7454

254.4108,

■ 0.5325, 0.5701,

268.1130, 281.7161

0.3916

304.8017,
321.1867, 338.1895

■ 0.0000, 0.0000,
0.0000

■ 45.9792, 48.5174,
49.5893

■ 45.9792, 48.5174,
49.5893

■ 43.2548, 45.8924,
39.9744

■ 48.9949, 51.3134,
60.5679

■ 40.8071, 43.4273,
31.6660

■ 52.3079, 54.2784,
72.9582

■ 38.6261, 41.1192,
24.6074

■ 55.9289, 57.4189,
86.8096

■ 36.6999, 38.9629,
18.7366

■ 59.8670, 60.7390,
102.1682

■ 35.0153, 36.9525,
13.9861

■ 61.1831, 63.0634,
103.5555

■ 33.5580, 35.0818,
10.2817

■ 62.3403, 65.3780,
103.9413

■ 32.3117, 33.3438,
7.5402

■ 63.5314, 67.7601,
104.3383

■ 31.2581, 31.7306,
5.6657

■ 64.7565, 70.2103,
104.7467

■ 30.3746, 30.2327,
4.5422

■ 66.0160, 72.7292,
105.1665

Harmonies

Analogous

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



46.5760, 48.5174, 49.8287



45.9792, 48.5174, 49.5893



45.4234, 48.5174, 50.2022

Triad

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



45.9792, 48.5174, 49.5893



45.1884, 48.5174, 54.8410



47.1901, 48.5174, 54.1559

Complementary

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



45.9792, 48.5174, 49.5893



44.0840, 46.2188, 53.6120

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.



46.8122, 48.5174, 55.5422



45.9792, 48.5174, 49.5893



45.6558, 48.5174, 55.9437

Square

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



45.9792, 48.5174, 49.5893



44.9694, 48.5174, 53.2155



46.2497, 48.5174, 56.2031



47.2785, 48.5174, 52.4408

Rectangle

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



45.9792, 48.5174, 49.5893



45.1498, 48.5174, 51.0197



46.2497, 48.5174, 56.2031



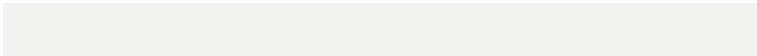
47.0925, 48.5174, 54.6769

Sweetspot

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



45.9806, 48.5195, 49.5904



84.0531, 88.4959, 94.9551



44.9548, 46.1420, 50.2537



18.5159, 19.4939, 20.9326



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.



45.9806, 48.5195, 49.5904



81.9390, 86.5083, 87.3433



45.9153, 49.1103, 49.7078



10.3510, 10.9319, 10.9474



20.6742, 20.3872, 2.8455



0.8588, 0.8964, 0.1278

Inverse Universe

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



44.0840, 46.2188, 53.6120



77.9263, 81.6404, 95.8524



44.1465, 45.6526, 53.4995



9.7909, 10.2525, 12.1351



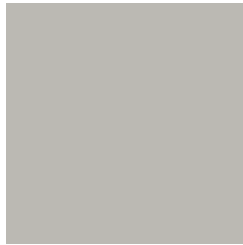
6.9209, 3.9535, 32.7912



0.3250, 0.2626, 1.3024

Previews

White Background



This preview shows how the XYZ color 45.9792, 48.5174, 49.5893 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 45.9792, 48.5174, 49.5893 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

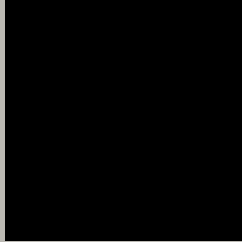
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

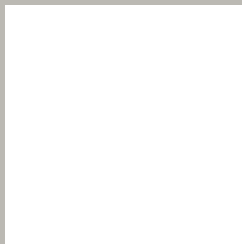
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.9792, 48.5174, 49.5893

Background



This preview shows how black text looks on a background with the XYZ color 45.9792, 48.5174, 49.5893.

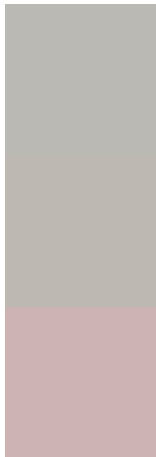


This preview shows how white text looks on a background with the XYZ color 45.9792, 48.5174,

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

45.9792, 48.5174, 49.5893

Protanopia

46.5124, 48.4828, 49.5545

Deuteranopia

49.5352, 48.5146, 49.9335



Tritanopia

48.0412, 48.4343, 59.6400

Trichromacy



Original Color

45.9792, 48.5174, 49.5893

Protanomaly

46.2634, 48.3545, 49.5428

Deuteranomaly

48.0508, 48.3488, 49.9797

Tritanomaly

47.2140, 48.4035, 55.5696

Monochromacy



Original Color

45.9792, 48.5174, 49.5893

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.1459, 48.5559, 51.7398

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9792, 48.5174, 49.5893 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, 185, 179) looks like.

```
.text, #text, p{  
    color:rgb(187, 185, 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(187, 185, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 185, 179) }
```

Border

The CSS property to change the border of an element to XYZ 45.9792, 48.5174, 49.5893 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, 185, 179) }
```


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

```
.border{ border-color:rgb(187, 185, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 185, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 185, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 185, 179);  
box-shadow:4px 4px 4px 4px rgb(187, 185,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9792, 48.5174, 49.5893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 185, 179) }
```

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

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