

Converting Colors

XYZ(45.1039, 47.8100, 45.4118)

Have a look what the booklet for
XYZ(45.1039, 47.8100, 45.4118)
contains.

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Color

**XYZ(45.2302, 47.9126,
45.3922)**

Conversions

Conversions Part 1

Format	Color
Hex	BCB8AB
RGB	188, 184, 171
RGB Percent	74%, 72%, 67%
CMY	0.2627, 0.2784, 0.3294
CMYK	0.00, 0.02, 0.09, 0.26
HSL	46°, 11%, 70%
HSV	46°, 9%, 74%
XYZ	45.2302, 47.9126, 45.3922
YIQ	183.7140, 6.5570, -3.1950

Conversions

Conversions Part 2

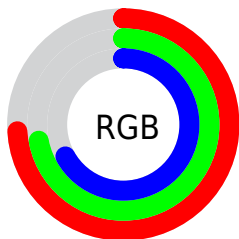
Format	Color
RYB	176, 188, 171
Decimal	12368043
CIELab	74.77, -0.89, 7.09
CIELCh	75, 7.148, 97.134
Yxy	47.9126, 0.3265, 0.3459
Android (android.graphics.Color)	4290558123 (0xFFBCB8AB)
YUV	183.7140, -6.2680, 3.7588
Hunter-Lab	69.2189, -4.4946, 9.5722

Details

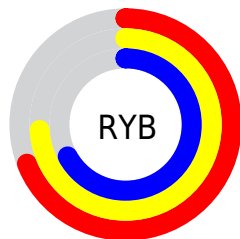
The XYZ color **45.2302, 47.9126, 45.3922** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **41.2016, 42.9480, 53.6957**, and the grayscale version is **45.4342, 47.8003, 52.0546**.

A 20% lighter version of the original color is **82.1958, 87.0443, 84.4205**, and **21.4377, 22.7154, 20.7074** is the 20% darker color. If you saturate the color by 10%, you get **42.6609, 45.4403, 36.3146**, and if you desaturate by 10%, it is **48.0858, 50.5484, 55.8239**.

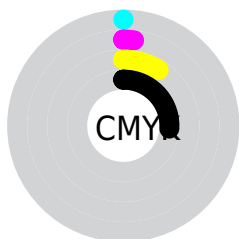
Distribution



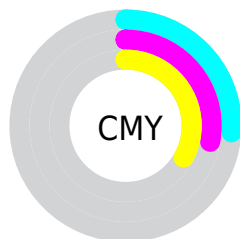
- Red (74%)
- Green (72%)
- Blue (67%)



- Red (69%)
- Yellow (74%)
- Blue (67%)



- Cyan (0%)
- Magenta (2%)
- Yellow (9%)
- Black (26%)



- Cyan (26%)
- Magenta (28%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.2302, 47.9126, 45.3922 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 45.2302, 47.9126, 45.3922 by changing the saturation by 10% instead.

■ 45.2302, 47.9126,
45.3922

■ 45.2302, 47.9126,
45.3922

358.4731,
378.4456, 384.5660

■ 31.8408, 33.7577,
31.4213

■ 82.3007, 87.0743,
84.6333

■ 21.3949, 22.7075,
20.6587

106.7125,
112.8498, 110.7406

■ 13.5271, 14.3777,
12.6859

135.5292,
143.2676, 141.7304

■ 7.8720, 8.3838,
7.0845

169.1161,
178.7122, 178.0212

■ 4.0643, 4.3415,
3.4357

207.8386,
219.5679, 220.0316

■ 1.7385, 1.8664,
1.3212

252.0620,

■ 0.4802, 0.5280,

266.2191, 268.1802

0.0791

302.1518,
319.0502, 322.8855

■ 0.0000, 0.0000,
0.0000

■ 45.2302, 47.9126,
45.3922

■ 45.2302, 47.9126,
45.3922

■ 42.6609, 45.4403,
36.3146

■ 48.0858, 50.5484,
55.8239

■ 40.3629, 43.1204,
28.5316

■ 51.2340, 53.3461,
67.6597

■ 38.3258, 40.9500,
21.9837

■ 54.6860, 56.3119,
80.9510

■ 36.5370, 38.9236,
16.6056

■ 58.4510, 59.4501,
95.7455

■ 34.9828, 37.0351,
12.3260

■ 60.8852, 62.1034,
103.3859

■ 33.6477, 35.2782,
9.0658

■ 61.9649, 64.2629,
103.7458

■ 32.5145, 33.6452,
6.7349

■ 63.0748, 66.4826,
104.1158

■ 31.5628, 32.1278,
5.2280

■ 64.2151, 68.7632,
104.4959

■ 30.7570, 30.7112,
4.3585

■ 65.3860, 71.1050,
104.8862

Harmonies

Analogous

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



46.5163, 47.9126, 45.8553



45.2302, 47.9126, 45.3922



44.0492, 47.9126, 46.6748

Triad

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



45.2302, 47.9126, 45.3922



43.5784, 47.9126, 56.6042



47.8783, 47.9126, 54.9960

Complementary

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



45.2302, 47.9126, 45.3922



41.2016, 42.9480, 53.6957

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.



47.0630, 47.9126, 58.0776



45.2302, 47.9126, 45.3922



44.5765, 47.9126, 59.0365

Square

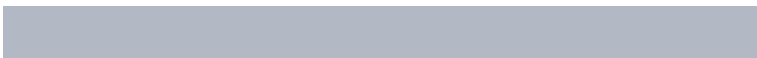
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



45.2302, 47.9126, 45.3922



43.1074, 47.9126, 53.0615



45.8502, 47.9126, 59.5881



48.0614, 47.9126, 51.2859

Rectangle

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



45.2302, 47.9126, 45.3922



43.4750, 47.9126, 48.3848



45.8502, 47.9126, 59.5881



47.6683, 47.9126, 56.1449

Sweetspot

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



45.2315, 47.9147, 45.3932



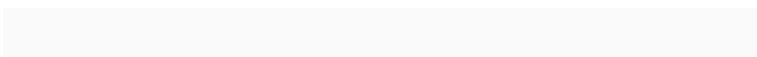
85.0118, 89.6629, 93.2966



43.0650, 42.9228, 46.7021



18.1911, 19.1984, 19.7323



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.



45.2315, 47.9147, 45.3932



80.9361, 85.8547, 78.5477



45.0418, 49.0668, 45.6256



10.1270, 10.7299, 10.1140



20.9495, 20.9378, 2.9372



0.8676, 0.9142, 0.1307

Inverse Universe

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



41.2016, 42.9480, 53.6957



72.0361, 74.8862, 96.8840



41.3760, 41.9002, 53.4843



9.1937, 9.5797, 12.0367



6.8469, 3.8056, 32.7666



0.3202, 0.2530, 1.3008

Previews

White Background



This preview shows how the XYZ color 45.2302, 47.9126, 45.3922 looks on a white background.

Color Contrast Check

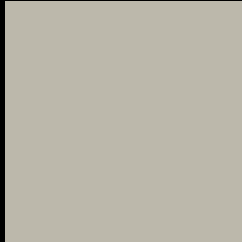
Large Text (above 18pt) WCAG AA × Fail

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 45.2302, 47.9126, 45.3922 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

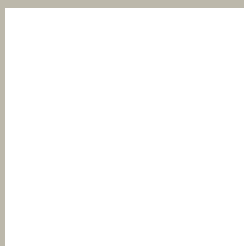
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.2302, 47.9126, 45.3922

Background



This preview shows how black text looks on a background with the XYZ color 45.2302, 47.9126, 45.3922.



This preview shows how white text looks on a background with the XYZ color 45.2302, 47.9126,

45.3922.

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

45.2302, 47.9126, 45.3922

Protanopia

45.5194, 47.7544, 45.3465

Deuteranopia

48.8204, 47.9412, 45.7102



Tritanopia

47.6574, 47.6590, 58.3171

Trichromacy



Original Color

45.2302, 47.9126, 45.3922

Protanomaly

45.2704, 47.6261, 45.3348

Deuteranomaly

47.3208, 47.7632, 45.7549

Tritanomaly

46.6220, 47.5401, 53.1733

Monochromacy



Original Color

45.2302, 47.9126, 45.3922

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

45.2848, 47.8499, 49.4970

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2302, 47.9126, 45.3922 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(188, 184, 171)` looks like.

```
.text, #text, p{  
    color:rgb(188, 184, 171)  
}
```

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(188, 184, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 184, 171) }
```

Border

The CSS property to change the border of an element to XYZ 45.2302, 47.9126, 45.3922 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(188, 184, 171) }
```


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

```
.border{ border-color:rgb(188, 184, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 184, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 184, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 184, 171);  
box-shadow:4px 4px 4px 4px rgb(188, 184,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2302, 47.9126, 45.3922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 184, 171) }
```

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

```
.background{ background-color: rgb(188,  
184, 171) }
```

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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