

Converting Colors

XYZ(45.2895, 47.6081, 46.6963)

Have a look what the booklet for
XYZ(45.2895, 47.6081, 46.6963)
contains.

XYZ(45.3125, 47.6143, 46.8467)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(45.3125, 47.6143,
46.8467)**

Conversions

Conversions Part 1

Format	Color
Hex	BCB7AE
RGB	188, 183, 174
RGB Percent	74%, 72%, 68%
CMY	0.2627, 0.2823, 0.3176
CMYK	0.00, 0.03, 0.07, 0.26
HSL	39°, 9%, 71%
HSV	39°, 7%, 74%
XYZ	45.3125, 47.6143, 46.8467
YIQ	183.4690, 5.8690, -1.7390

Conversions

Conversions Part 2

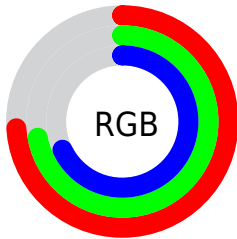
Format	Color
RYB	182, 188, 174
Decimal	12367790
CIELab	74.58, 0.16, 5.19
CIELCh	75, 5.191, 88.206
Yxy	47.6143, 0.3242, 0.3407
Android (android.graphics.Color)	4290557870 (0xFFBCB7AE)
YUV	183.4690, -4.6682, 3.9737
Hunter-Lab	69.0031, -3.5393, 8.0498

Details

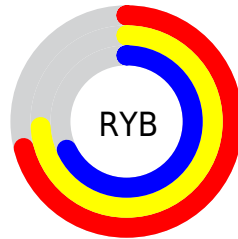
The XYZ color **45.3125, 47.6143, 46.8467** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **42.6528, 44.8691, 53.9901**, and the grayscale version is **45.2910, 47.6497, 51.8905**.

A 20% lighter version of the original color is **82.3176, 86.6232, 86.5101**, and **21.4872, 22.5213, 21.6269** is the 20% darker color. If you saturate the color by 10%, you get **42.2558, 44.2312, 37.4094**, and if you desaturate by 10%, it is **48.6944, 51.2362, 57.6592**.

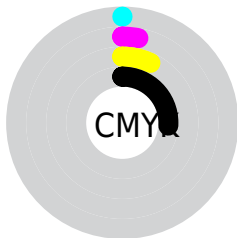
Distribution



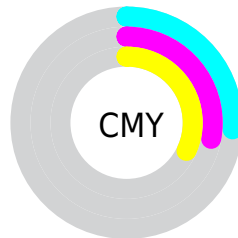
- Red (74%)
- Green (72%)
- Blue (68%)



- Red (71%)
- Yellow (74%)
- Blue (68%)



- Cyan (0%)
- Magenta (3%)
- Yellow (7%)
- Black (26%)



- Cyan (26%)
- Magenta (28%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.3125, 47.6143, 46.8467 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 45.3125, 47.6143, 46.8467 by changing the saturation by 10% instead.

■ 45.3125, 47.6143,
46.8467

■ 45.3125, 47.6143,
46.8467

358.8002,
377.2613, 390.5783

■ 31.9060, 33.5215,
32.5610

■ 82.4233, 86.6299,
86.8323

■ 21.4449, 22.5263,
21.5220

106.8583,
112.3215, 113.3694

■ 13.5639, 14.2441,
13.3112

135.7002,
142.6481, 144.8272

■ 7.8976, 8.2906,
7.5099

169.3143,
177.9942, 181.6245

■ 4.0808, 4.2815,
3.6997

208.0660,
218.7442, 224.1797

■ 1.7479, 1.8322,
1.4621

252.3207,

■ 0.4860, 0.5071,

265.2825, 272.9114

0.1895

302.4436,
317.9933, 328.2381

■ 0.0000, 0.0000,
0.0000

■ 45.3125, 47.6143,
46.8467

■ 45.3125, 47.6143,
46.8467

■ 42.2558, 44.2312,
37.4094

■ 48.6944, 51.2362,
57.6592

■ 39.5088, 41.0746,
29.2882

■ 52.4085, 55.0963,
69.8966

■ 37.0607, 38.1401,
22.4240

■ 56.4663, 59.2024,
83.6102

■ 34.8982, 35.4210,
16.7522

■ 60.8777, 63.5596,
98.8473

■ 33.0070, 32.9101,
12.2022

■ 63.4872, 67.3073,
104.2532

■ 31.3714, 30.5993,
8.6961

■ 65.2473, 70.8276,
104.8399

■ 29.9737, 28.4800,
6.1457

■ 67.0785, 74.4900,
105.4503

■ 28.7933, 26.5424,
4.4482

■ 68.9817, 78.2963,
106.0847

■ 27.8011, 24.7730,
3.4542

■ 70.9574, 82.2478,
106.7433

Harmonies

Analogous

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



46.2137, 47.6143, 47.5731



45.3125, 47.6143, 46.8467



44.4082, 47.6143, 47.4204

Triad

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



45.3125, 47.6143, 46.8467



43.6838, 47.6143, 54.3258



46.8075, 47.6143, 54.6155

Complementary

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



45.3125, 47.6143, 46.8467



42.6528, 44.8691, 53.9901

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.



46.1145, 47.6143, 56.5342



45.3125, 47.6143, 46.8467



44.3116, 47.6143, 56.3629

Square

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



45.3125, 47.6143, 46.8467



43.4757, 47.6143, 51.6822



45.1995, 47.6143, 57.1844



47.0842, 47.6143, 52.0059

Rectangle

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



45.3125, 47.6143, 46.8467



43.9235, 47.6143, 48.4744



45.1995, 47.6143, 57.1844



46.6151, 47.6143, 55.3660

Sweetspot

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



45.3138, 47.6164, 46.8477



85.3667, 89.7948, 95.1961



44.0259, 44.2243, 48.9350



18.3716, 19.3248, 20.5158



90.7827, 95.5105, 104.0109



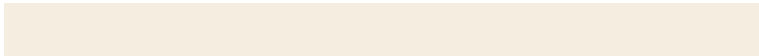
18.6292, 19.5994, 21.3438

Same Dimension

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



45.3138, 47.6164, 46.8477



81.1403, 85.2235, 81.8214



45.9059, 49.4788, 47.1760



10.0280, 10.5320, 10.0810



18.8396, 16.7180, 2.2339



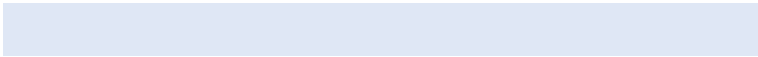
0.7976, 0.7742, 0.1074

Inverse Universe

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



42.6528, 44.8691, 53.9901



75.2837, 79.1771, 97.5410



42.0882, 43.1183, 53.6819



9.2877, 9.7677, 12.0680



7.6151, 5.3419, 33.0226



0.3609, 0.3344, 1.3144

Previews

White Background



This preview shows how the XYZ color 45.3125, 47.6143, 46.8467 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 45.3125, 47.6143, 46.8467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

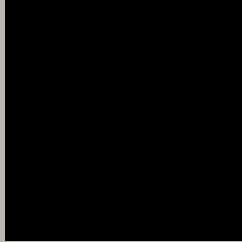
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.3125, 47.6143, 46.8467

Background



This preview shows how black text looks on a background with the XYZ color 45.3125, 47.6143, 46.8467.

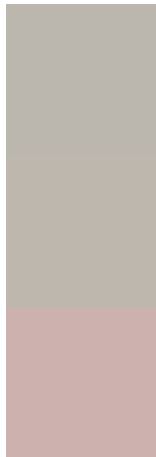


This preview shows how white text looks on a background with the XYZ color 45.3125, 47.6143,

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

45.3125, 47.6143, 46.8467

Protanopia

45.5597, 47.7418, 46.8582

Deuteranopia

48.3618, 47.3768, 47.1531



Tritanopia

47.5447, 47.6139, 57.7235

Trichromacy



Original Color

45.3125, 47.6143, 46.8467

Protanomaly

45.5597, 47.7418, 46.8582

Deuteranomaly

47.1467, 47.3411, 47.2103

Tritanomaly

46.7287, 47.5828, 53.7352

Monochromacy



Original Color

45.3125, 47.6143, 46.8467

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

45.1793, 47.4765, 49.9627

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3125, 47.6143, 46.8467 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, 183, 174)` looks like.

```
.text, #text, p{  
    color:rgb(188, 183, 174)  
}
```

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, 183, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 183, 174) }
```

Border

The CSS property to change the border of an element to XYZ 45.3125, 47.6143, 46.8467 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, 183, 174) }
```


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

```
.border{ border-color:rgb(188, 183, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 183, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 183, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 183, 174);  
box-shadow:4px 4px 4px 4px rgb(188, 183,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3125, 47.6143, 46.8467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 183, 174) }
```

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

```
.background{ background-color: rgb(188,  
183, 174) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor