

Converting Colors

XYZ(45.3280, 47.2221, 48.6555)

Have a look what the booklet for
XYZ(45.3280, 47.2221, 48.6555)
contains.

XYZ(45.5029, 47.3616, 48.8629)	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(45.5029, 47.3616,
48.8629)**

Conversions

Conversions Part 1

Format	Color
Hex	BCB6B2
RGB	188, 182, 178
RGB Percent	74%, 71%, 70%
CMY	0.2627, 0.2863, 0.3020
CMYK	0.00, 0.03, 0.05, 0.26
HSL	24°, 7%, 72%
HSV	24°, 5%, 74%
XYZ	45.5029, 47.3616, 48.8629
YIQ	183.3380, 4.8600, 0.0280

Conversions

Conversions Part 2

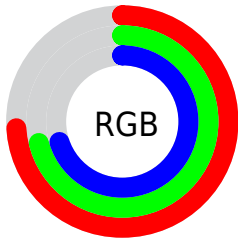
Format	Color
RYB	188, 185, 178
Decimal	12367538
CIELab	74.42, 1.40, 2.78
CIELCh	74, 3.109, 63.223
Yxy	47.3616, 0.3211, 0.3342
Android (android.graphics.Color)	4290557618 (0xFFBCB6B2)
YUV	183.3380, -2.6316, 4.0886
Hunter-Lab	68.8198, -2.4123, 6.0772

Details

The XYZ color **45.5029, 47.3616, 48.8629** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.5777, 47.3762, 54.3727**, and the grayscale version is **45.2085, 47.5629, 51.7960**.

A 20% lighter version of the original color is **82.7340, 86.3227, 90.1433**, and **21.5436, 22.3321, 22.5771** is the 20% darker color. If you saturate the color by 10%, you get **41.5269, 42.2258, 38.8542**, and if you desaturate by 10%, it is **49.9262, 52.9768, 60.2983**.

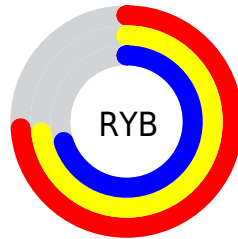
Distribution



Red (74%)

Green (71%)

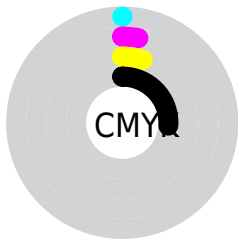
Blue (70%)



Red (74%)

Yellow (73%)

Blue (70%)

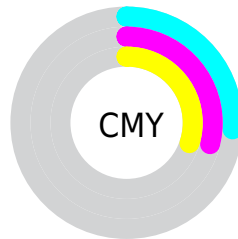


Cyan (0%)

Magenta (3%)

Yellow (5%)

Black (26%)



Cyan (26%)

Magenta (29%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.5029, 47.3616, 48.8629 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 45.5029, 47.3616, 48.8629 by changing the saturation by 10% instead.

■ 45.5029, 47.3616,
48.8629

■ 45.5029, 47.3616,
48.8629

359.5560,
376.2560, 398.8093

■ 32.0567, 33.3216,
34.1459

■ 82.7070, 86.2531,
89.8667

■ 21.5606, 22.3729,
22.7274

107.1956,
111.8734, 116.9905

■ 13.6492, 14.1312,
14.1890

136.0956,
142.1227, 149.0871

■ 7.9571, 8.2120,
8.1120

169.7726,
177.3852, 186.5749

■ 4.1191, 4.2309,
4.0779

208.5917,
218.0454, 229.8725

■ 1.7697, 1.8035,
1.6682

252.9185,

■ 0.4993, 0.4894,

264.4877, 279.3984

0.3388

303.1181,
317.0964, 335.5711

■ 0.0000, 0.0000,
0.0000

■ 45.5029, 47.3616,
48.8629

■ 45.5029, 47.3616,
48.8629

■ 41.5269, 42.2258,
38.8542

■ 49.9262, 52.9768,
60.2983

■ 37.9794, 37.5503,
30.2125

■ 54.8070, 59.0777,
73.2105

■ 34.8460, 33.3238,
22.8785

■ 60.1599, 65.6781,
87.6512

■ 32.1102, 29.5320,
16.7875

■ 65.9978, 72.7895,
103.6685

■ 29.7538, 26.1599,
11.8688

■ 69.4731, 79.2791,
106.2485

■ 27.7573, 23.1915,
8.0450

■ 72.8659, 86.0647,
107.3795

■ 26.0992, 20.6096,
5.2288

■ 74.5494, 89.4315,
107.9406

■ 24.7551, 18.3952,
3.3196

■ 23.6958, 16.5272,
2.1939

Harmonies

Analogous

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



45.9231, 47.3616, 49.8966



45.5029, 47.3616, 48.8629



44.9552, 47.3616, 48.5491

Triad

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



45.5029, 47.3616, 48.8629



43.9487, 47.3616, 51.7424



45.6086, 47.3616, 54.1932

Complementary

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



45.5029, 47.3616, 48.8629



44.5777, 47.3762, 54.3727

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.



45.0764, 47.3616, 54.7111



45.5029, 47.3616, 48.8629



44.1205, 47.3616, 53.2778

Square

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



45.5029, 47.3616, 48.8629



44.0608, 47.3616, 50.1911



44.5321, 47.3616, 54.3727



45.9845, 47.3616, 52.9713

Rectangle

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



45.5029, 47.3616, 48.8629



44.5923, 47.3616, 48.7849



44.5321, 47.3616, 54.3727



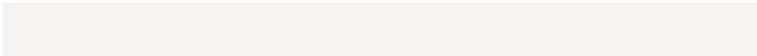
45.4419, 47.3616, 54.4565

Sweetspot

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



45.5042, 47.3637, 48.8639



85.0120, 89.0854, 95.0779



45.3119, 45.9936, 51.8376



18.2992, 19.1800, 20.4917



90.7827, 95.5105, 104.0109



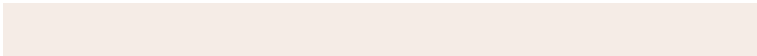
18.6292, 19.5994, 21.3438

Same Dimension

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



45.5042, 47.3637, 48.8639



81.8782, 85.0822, 87.0525



46.5460, 49.4471, 49.2112



10.0921, 10.4768, 10.6677



15.9139, 10.8665, 1.2587



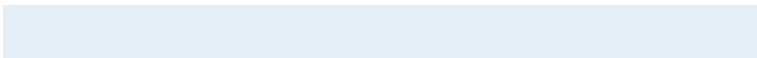
0.6876, 0.5542, 0.0707

Inverse Universe

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



44.5777, 47.3762, 54.3727



79.9631, 85.1081, 98.4392



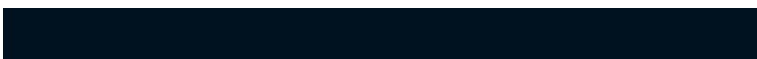
43.5580, 45.3367, 54.0328



9.8383, 10.4802, 12.1766



10.2552, 10.6222, 33.9027



0.4641, 0.5409, 1.3488

Previews

White Background



This preview shows how the XYZ color 45.5029, 47.3616, 48.8629 looks on a white background.

Color Contrast Check

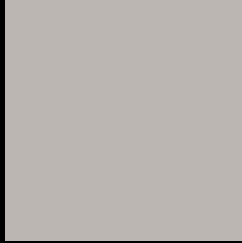
Large Text (above 18pt) WCAG AA × Fail

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 45.5029, 47.3616, 48.8629 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

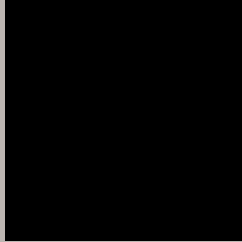
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.5029, 47.3616, 48.8629

Background



This preview shows how black text looks on a background with the XYZ color 45.5029, 47.3616, 48.8629.



This preview shows how white text looks on a background with the XYZ color 45.5029, 47.3616,

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

45.5029, 47.3616, 48.8629

Protanopia

45.2573, 47.2350, 48.8514

Deuteranopia

48.2159, 47.2555, 49.2278



Tritanopia

47.2941, 47.4847, 57.7117

Trichromacy



Original Color

45.5029, 47.3616, 48.8629

Protanomaly

45.2573, 47.2350, 48.8514

Deuteranomaly

47.2827, 47.3652, 49.2982

Tritanomaly

46.5872, 47.4974, 54.2895

Monochromacy



Original Color

45.5029, 47.3616, 48.8629

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

45.2816, 47.5175, 50.5013

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5029, 47.3616, 48.8629 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, 182, 178)` looks like.

```
.text, #text, p{  
    color:rgb(188, 182, 178)  
}
```

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, 182, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 182, 178) }
```

Border

The CSS property to change the border of an element to XYZ 45.5029, 47.3616, 48.8629 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, 182, 178) }
```


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

```
.border{ border-color:rgb(188, 182, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 182, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 182, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 182, 178);  
box-shadow:4px 4px 4px 4px rgb(188, 182,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5029, 47.3616, 48.8629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 182, 178) }
```

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

```
.background{ background-color: rgb(188,  
182, 178) }
```

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