

Converting Colors

XYZ(45.8361, 48.7314, 42.9972)

Have a look what the booklet for
XYZ(45.8361, 48.7314, 42.9972)
contains.

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Color

**XYZ(45.7178, 48.5275,
43.0335)**

Conversions

Conversions Part 1

Format	Color
Hex	BFB9A6
RGB	191, 185, 166
RGB Percent	75%, 73%, 65%
CMY	0.2510, 0.2745, 0.3490
CMYK	0.00, 0.03, 0.13, 0.25
HSL	46°, 16%, 70%
HSV	46°, 13%, 75%
XYZ	45.7178, 48.5275, 43.0335
YIQ	184.6280, 9.6750, -4.6370

Conversions

Conversions Part 2

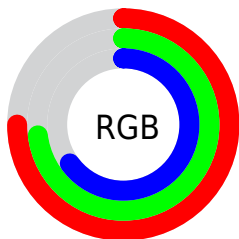
Format	Color
RYB	174, 191, 166
Decimal	12564902
CIELab	75.16, -1.16, 10.39
CIElCh	75, 10.458, 96.350
Yxy	48.5275, 0.3330, 0.3535
Android (android.graphics.Color)	4290754982 (0xFFBFB9A6)
YUV	184.6280, -9.1836, 5.5882
Hunter-Lab	69.6617, -4.7614, 12.1368

Details

The XYZ color **45.7178, 48.5275, 43.0335** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **39.8823, 41.3729, 55.1745**, and the grayscale version is **45.9542, 48.3474, 52.6503**.

A 20% lighter version of the original color is **82.8642, 87.9052, 81.0066**, and **21.6051, 23.0358, 19.2272** is the 20% darker color. If you saturate the color by 10%, you get **43.1517, 45.9938, 34.1665**, and if you desaturate by 10%, it is **48.5777, 51.2313, 53.2834**.

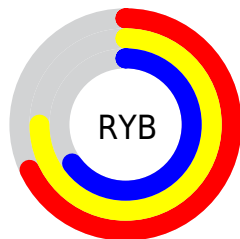
Distribution



Red (75%)

Green (73%)

Blue (65%)



Red (68%)

Yellow (75%)

Blue (65%)

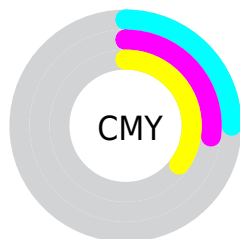


Cyan (0%)

Magenta (3%)

Yellow (13%)

Black (25%)



Cyan (25%)


Magenta (27%)

Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.7178, 48.5275, 43.0335 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 45.7178, 48.5275, 43.0335 by changing the saturation by 10% instead.


 45.7178, 48.5275,
43.0335


 45.7178, 48.5275,
43.0335


360.4079,
380.8792, 374.6748

 32.2269, 34.2448,
29.5798


 83.0270, 87.9893,
81.0483

 21.6912, 23.0817,
19.2705


 107.5759,
113.9372, 106.4465

 13.7455, 14.6539,
11.6871

136.5415,
144.5422, 136.6633

 8.0244, 8.5768,
6.4111

170.2893,
180.1889, 172.1172

 4.1625, 4.4662,
3.0238

209.1844,
221.2615, 213.2267

 1.7945, 1.9376,
1.1068

253.5923,

 0.5143, 0.5708,

268.1445, 260.4105

0.0000

303.8784,
321.2223, 314.0870

■ 0.0000, 0.0000,
0.0000

■ 45.7178, 48.5275,
43.0335

■ 45.7178, 48.5275,
43.0335

■ 43.1517, 45.9938,
34.1665

■ 48.5777, 51.2313,
53.2834

■ 40.8638, 43.6187,
26.6190

■ 51.7384, 54.1038,
64.9697

■ 38.8427, 41.3988,
20.3273

■ 55.2116, 57.1516,
78.1468

■ 37.0748, 39.3283,
15.2211

■ 59.0073, 60.3791,
92.8654

■ 35.5453, 37.4006,
11.2232

■ 62.0702, 63.3646,
103.5669

■ 34.2373, 35.6086,
8.2471

■ 63.2027, 65.6297,
103.9444

■ 33.1318, 33.9442,
6.1937

■ 64.3677, 67.9597,
104.3327

■ 32.2058, 32.3976,
4.9435

■ 65.5656, 70.3554,
104.7320

■ 31.6405, 31.3852,
4.3903

■ 66.7964, 72.8172,
105.1423

Harmonies

Analogous

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



47.6171, 48.5275, 43.7536



45.7178, 48.5275, 43.0335



43.9753, 48.5275, 44.7904

Triad

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



45.7178, 48.5275, 43.0335



43.2209, 48.5275, 59.3396



49.5804, 48.5275, 57.1832

Complementary

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



45.7178, 48.5275, 43.0335



39.8823, 41.3729, 55.1745

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.



48.3414, 48.5275, 61.7965



45.7178, 48.5275, 43.0335



44.6623, 48.5275, 63.1005

Square

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



45.7178, 48.5275, 43.0335



42.5597, 48.5275, 54.0134



46.5325, 48.5275, 64.0293



49.8818, 48.5275, 51.6802

Rectangle

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



45.7178, 48.5275, 43.0335



43.1256, 48.5275, 47.2066



46.5325, 48.5275, 64.0293



49.2581, 48.5275, 58.9008

Sweetspot

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



45.7191, 48.5296, 43.0345



86.4795, 91.2698, 93.5294



42.5931, 41.3376, 44.8904



18.9012, 19.9592, 20.2155



92.9021, 97.7402, 106.4391



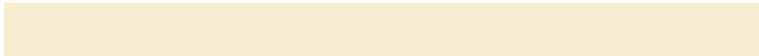
19.4759, 20.4902, 22.3138

Same Dimension

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



45.7191, 48.5296, 43.0345



80.3718, 85.4471, 71.7857



45.4616, 50.2986, 43.3895



10.1231, 10.7221, 10.1127



20.8583, 20.7555, 2.9069



0.8647, 0.9083, 0.1298

Inverse Universe

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



39.8823, 41.3729, 55.1745



67.6730, 69.8773, 98.2000



40.1090, 39.8337, 54.8654



9.1973, 9.5870, 12.0379



6.8707, 3.8532, 32.7745



0.3217, 0.2562, 1.3013

Previews

White Background



This preview shows how the XYZ color 45.7178, 48.5275, 43.0335 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 45.7178, 48.5275, 43.0335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

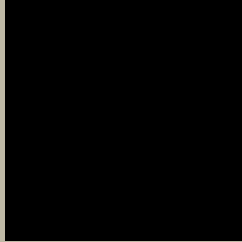
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

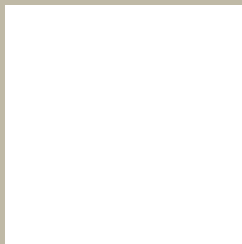
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.7178, 48.5275, 43.0335

Background



This preview shows how black text looks on a background with the XYZ color 45.7178, 48.5275, 43.0335.



This preview shows how white text looks on a background with the XYZ color 45.7178, 48.5275,

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

45.7178, 48.5275, 43.0335

Protanopia

46.0157, 48.3716, 42.9878

Deuteranopia

49.1899, 48.1861, 43.2675



Tritanopia

48.8799, 48.5900, 58.4323

Trichromacy



Original Color

45.7178, 48.5275, 43.0335

Protanomaly

45.7617, 48.2406, 42.9759

Deuteranomaly

47.8560, 48.3943, 43.3780

Tritanomaly

47.6278, 48.3859, 52.1766

Monochromacy



Original Color

45.7178, 48.5275, 43.0335

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

45.8784, 48.4771, 49.0584

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7178, 48.5275, 43.0335 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(191, 185, 166)` looks like.

```
.text, #text, p{  
    color:rgb(191, 185, 166)  
}
```

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(191, 185, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 185, 166) }
```

Border

The CSS property to change the border of an element to XYZ 45.7178, 48.5275, 43.0335 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(191, 185, 166) }
```


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

```
.border{ border-color:rgb(191, 185, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 185, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 185, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 185, 166); box-shadow:4px 4px 4px 4px rgb(191, 185, 166) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7178, 48.5275, 43.0335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 185, 166) }
```

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

```
.background{ background-color: rgb(191,  
185, 166) }
```

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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