

Converting Colors

XYZ(48.2665, 51.8962, 45.5042)

Have a look what the booklet for
XYZ(48.2665, 51.8962, 45.5042)
contains.

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Color

**XYZ(48.3535, 52.0709,
45.5324)**

Conversions

Conversions Part 1

Format	Color
Hex	C2C0AA
RGB	194, 192, 170
RGB Percent	76%, 75%, 67%
CMY	0.2392, 0.2470, 0.3333
CMYK	0.00, 0.01, 0.12, 0.24
HSL	55°, 16%, 71%
HSV	55°, 12%, 76%
XYZ	48.3535, 52.0709, 45.5324
YIQ	190.0900, 8.2540, -6.4180

Conversions

Conversions Part 2

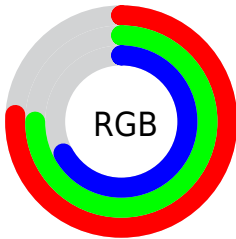
Format	Color
RYB	172, 194, 170
Decimal	12763306
CIELab	77.32, -3.11, 11.34
CIELCh	77, 11.760, 105.325
Yxy	52.0709, 0.3313, 0.3568
Android (android.graphics.Color)	4290953386 (0xFFC2C0AA)
YUV	190.0900, -9.9044, 3.4291
Hunter-Lab	72.1602, -6.6700, 13.1007

Details

The XYZ color **48.3535, 52.0709, 45.5324** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **41.0677, 41.9454, 56.9712**, and the grayscale version is **49.0485, 51.6029, 56.1955**.

A 20% lighter version of the original color is **86.9417, 93.0803, 84.6181**, and **23.3179, 25.3487, 20.8033** is the 20% darker color. If you saturate the color by 10%, you get **46.3003, 50.6875, 36.4521**, and if you desaturate by 10%, it is **50.6843, 53.5750, 56.0426**.

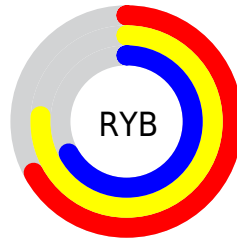
Distribution



Red (76%)

Green (75%)

Blue (67%)



Red (67%)

Yellow (76%)

Blue (67%)

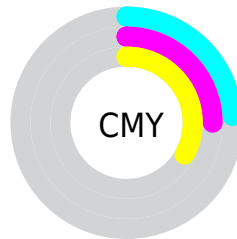


Cyan (0%)

Magenta (1%)

Yellow (12%)

Black (24%)



Cyan (24%)


Magenta (25%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.3535, 52.0709, 45.5324 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 48.3535, 52.0709, 45.5324 by changing the saturation by 10% instead.


 48.3535, 52.0709,
45.5324

 48.3535, 52.0709,
45.5324


370.7509,
394.7103, 385.1484

 34.3193, 37.0616,
31.5310


 86.9370, 93.2358,
84.8457

 23.3031, 25.2552,
20.7417


112.2171,
120.1602, 110.9946

 14.9394, 16.2673,
12.7459


141.9765,
151.8250, 142.0298

 8.8629, 9.7135,
7.1251

176.5805,
188.6147, 178.3697

 4.7083, 5.2094,
3.4609

216.3947,
230.9137, 220.4330

 2.1101, 2.3706,
1.3345

261.7842,

 0.6947, 0.8107,

279.1064, 268.6382

0.0898

313.1145,
333.5771, 323.4038

■ 0.0000, 0.0000,
0.0000

■ 48.3535, 52.0709,
45.5324

■ 48.3535, 52.0709,
45.5324

■ 46.3003, 50.6875,
36.4521

■ 50.6843, 53.5750,
56.0426

■ 44.5086, 49.4133,
28.7362

■ 53.2996, 55.1973,
68.0379

■ 42.9671, 48.2453,
22.3189

■ 56.2112, 56.9445,
81.5745

■ 41.6621, 47.1780,
17.1278

■ 59.4291, 58.8204,
96.7047

■ 40.5784, 46.2054,
13.0833

■ 60.9694, 60.0316,
102.9816

■ 39.6992, 45.3207,
10.0965

■ 61.3453, 60.7833,
103.1069

■ 39.0050, 44.5161,
8.0653

■ 61.7251, 61.5430,
103.2335

■ 38.4726, 43.7823,
6.8676

■ 62.1089, 62.3105,
103.3614

■ 38.1420, 43.2568,
6.3391

■ 62.4967, 63.0861,
103.4906

Harmonies

Analogous

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



50.5997, 52.0709, 45.5009



48.3535, 52.0709, 45.5324



46.4689, 52.0709, 48.3976

Triad

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



48.3535, 52.0709, 45.5324



46.5023, 52.0709, 66.0036



53.8107, 52.0709, 59.9044

Complementary

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



48.3535, 52.0709, 45.5324



41.0677, 41.9454, 56.9712

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.



52.6431, 52.0709, 65.8934



48.3535, 52.0709, 45.5324



48.4003, 52.0709, 69.5923

Square

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



48.3535, 52.0709, 45.5324



45.4225, 52.0709, 60.0456



50.6479, 52.0709, 69.5505



53.7973, 52.0709, 53.4740

Rectangle

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



48.3535, 52.0709, 45.5324



45.6514, 52.0709, 51.6634



50.6479, 52.0709, 69.5505



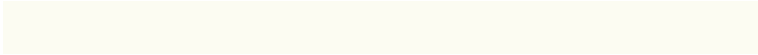
53.5418, 52.0709, 62.0461

Sweetspot

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



48.3549, 52.0732, 45.5335



91.0761, 96.5877, 98.1249



44.0699, 43.1981, 45.0458



19.8714, 21.1050, 21.1557



0.0000, 0.0000, 0.0000



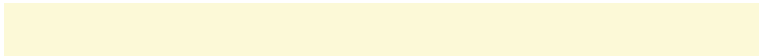
20.3446, 21.4041, 23.3091

Same Dimension

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



48.3549, 52.0732, 45.5335



86.4888, 93.6017, 77.5176



46.3153, 51.6768, 45.5645



10.8395, 11.6104, 10.7316



25.1061, 28.4980, 4.1774



1.1063, 1.2744, 0.1877

Inverse Universe

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



41.0677, 41.9454, 56.9712



70.5459, 71.4447, 102.5418



42.9354, 42.3486, 56.9506



9.5942, 9.8796, 12.6861



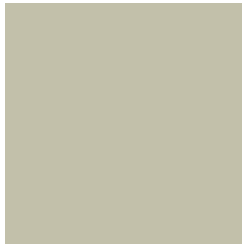
6.5508, 2.8581, 33.7630



0.3065, 0.1705, 1.4666

Previews

White Background



This preview shows how the XYZ color 48.3535, 52.0709, 45.5324 looks on a white background.

Color Contrast Check

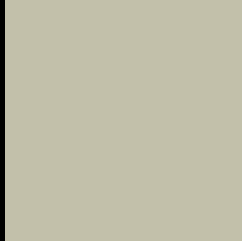
Large Text (above 18pt) WCAG AA × Fail

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 48.3535, 52.0709, 45.5324 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

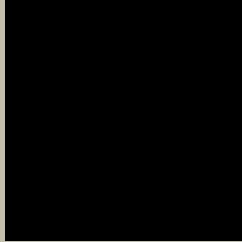
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

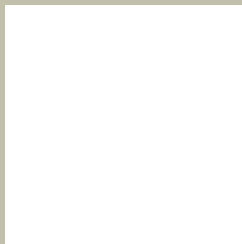
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.3535, 52.0709, 45.5324

Background



This preview shows how black text looks on a background with the XYZ color 48.3535, 52.0709, 45.5324.



This preview shows how white text looks on a background with the XYZ color 48.3535, 52.0709,

45.5324.

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

48.3535, 52.0709, 45.5324

Protanopia

49.1281, 51.8336, 44.9517

Deuteranopia

52.9058, 51.8585, 46.2510



Tritanopia

51.9842, 51.9470, 63.1640

Trichromacy



Original Color

48.3535, 52.0709, 45.5324

Protanomaly

48.8182, 51.9965, 44.9994

Deuteranomaly

51.1334, 51.8908, 45.8490

Tritanomaly

50.5178, 51.9832, 56.0864

Monochromacy



Original Color

48.3535, 52.0709, 45.5324

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.6639, 51.7569, 52.2250

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3535, 52.0709, 45.5324 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(194, 192, 170)` looks like.

```
.text, #text, p{  
    color:rgb(194, 192, 170)  
}
```

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(194, 192, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 192, 170) }
```

Border

The CSS property to change the border of an element to XYZ 48.3535, 52.0709, 45.5324 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(194, 192, 170) }
```


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

```
.border{ border-color:rgb(194, 192, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 192, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 192, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 192, 170);  
box-shadow:4px 4px 4px 4px rgb(194, 192,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3535, 52.0709, 45.5324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 192, 170) }
```

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

```
.background{ background-color: rgb(194,  
192, 170) }
```

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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