

# Converting Colors

XYZ(45.7226, 53.7794, 43.4793)

Have a look what the booklet for  
XYZ(45.7226, 53.7794, 43.4793)  
contains.

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# Color

**XYZ(45.8096, 53.8370,  
43.5745)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1C9A5
RGB	177, 201, 165
RGB Percent	69%, 79%, 65%
CMY	0.3059, 0.2117, 0.3529
CMYK	0.12, 0.00, 0.18, 0.21
HSL	100°, 25%, 72%
HSV	100°, 18%, 79%
XYZ	45.8096, 53.8370, 43.5745
YIQ	189.7200, -2.7480, -16.2840

# Conversions

## Conversions Part 2

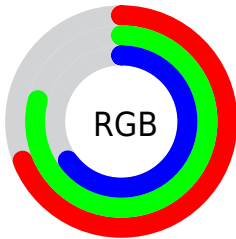
Format	Color
R <sub>YB</sub>	165, 201, 189
Decimal	11651493
CIE Lab	78.37, -14.73, 15.32
CIE LCh	78, 21.251, 133.886
Yxy	53.8370, 0.3199, 0.3759
Android (android.graphics.Color)	4289841573 (0xFFB1C9A5)
YUV	189.7200, -12.1870, -11.1554
Hunter-Lab	73.3737, -16.9606, 16.1510

# Details

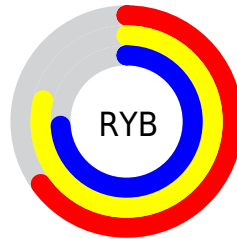
The XYZ color **45.8096, 53.8370, 43.5745** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **44.9863, 41.9477, 60.9869**, and the grayscale version is **48.8527, 51.3968, 55.9711**.

A 20% lighter version of the original color is **82.2825, 94.0109, 81.5193**, and **21.7265, 26.3448, 19.5627** is the 20% darker color. If you saturate the color by 10%, you get **41.2182, 51.6667, 34.5484**, and if you desaturate by 10%, it is **50.9913, 56.2816, 54.1314**.

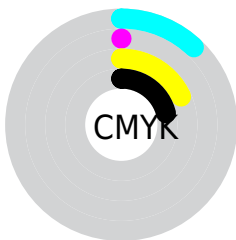
# Distribution



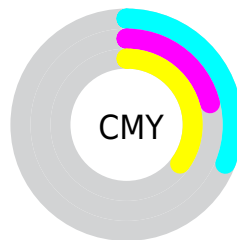
- Red (69%)
- Green (79%)
- Blue (65%)



- Red (65%)
- Yellow (79%)
- Blue (74%)



- Cyan (12%)
- Magenta (0%)
- Yellow (18%)
- Black (21%)




- Cyan (31%)
- Magenta (21%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.8096, 53.8370, 43.5745 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 45.8096, 53.8370, 43.5745 by changing the saturation by 10% instead.





 45.8096, 53.8370,  
43.5745


 45.8096, 53.8370,  
43.5745


360.7714,  
401.4881, 376.9595

 32.2996, 38.4714,  
30.0014


 83.1636, 95.8349,  
81.8727

 21.7471, 26.3487,  
19.5876


 107.7383,  
123.2359, 107.4349

 13.7867, 17.0847,  
11.9145


136.7319,  
155.4175, 137.8306

 8.0532, 10.2949,  
6.5637

170.5098,  
192.7641, 173.4782

 4.1811, 5.5949,  
3.1165

209.4373,  
235.6601, 214.7964

 1.8051, 2.6004,  
1.1544

253.8799,

 0.5207, 0.9269,

284.4898, 262.2036

0.0000

304.2028,  
339.6377, 316.1185

■ 0.0000, 0.0000,  
0.0000

■ 45.8096, 53.8370,  
43.5745

■ 45.8096, 53.8370,  
43.5745

■ 41.2182, 51.6667,  
34.5484

■ 50.9913, 56.2816,  
54.1314

■ 37.1908, 49.7538,  
26.9787

■ 56.7797, 59.0027,  
66.2820

■ 33.7053, 48.0904,  
20.7899

■ 63.1960, 62.0114,  
80.0898

■ 30.7366, 46.6651,  
15.8985

■ 70.2590, 65.3162,  
95.6138

■ 28.2570, 45.4659,  
12.2118

■ 76.2487, 68.2300,  
103.7587

■ 26.2363, 44.4794,  
9.6250

■ 80.1777, 70.2555,  
103.9426

■ 24.6398, 43.6903,  
8.0149

■ 23.4213, 43.0789,  
7.2012

■ 23.2018, 42.9684,  
7.0709

# Harmonies

## Analogous

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



49.2697, 53.8370, 39.0293



45.8096, 53.8370, 43.5745



43.8457, 53.8370, 52.4726

# Triad

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



45.8096, 53.8370, 43.5745



48.9766, 53.8370, 83.5708



59.3578, 53.8370, 53.2779

# Complementary

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



45.8096, 53.8370, 43.5745



44.9863, 41.9477, 60.9869

# 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.



59.2687, 53.8370, 65.2282



45.8096, 53.8370, 43.5745



53.1195, 53.8370, 83.8639

# Square

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



45.8096, 53.8370, 43.5745



45.6051, 53.8370, 76.0274



56.9340, 53.8370, 76.7808



57.1711, 53.8370, 44.0947



# Rectangle

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



45.8096, 53.8370, 43.5745



43.5786, 53.8370, 60.1899



56.9340, 53.8370, 76.7808



59.5965, 53.8370, 57.0764

# Sweetspot

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



45.8110, 53.8393, 43.5757



90.0060, 97.6291, 98.3019



49.0787, 51.5316, 42.9580



19.1179, 20.8275, 20.7341



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

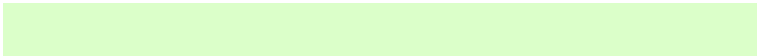


# Same Dimension

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



45.8110, 53.8393, 43.5757



75.6585, 90.8644, 69.0873



43.7560, 52.7153, 46.3981



10.8250, 12.0567, 11.3194



14.6751, 27.0606, 4.4498



0.7720, 1.3211, 0.2143



# Inverse Universe

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



44.9863, 41.9477, 60.9869



74.0179, 67.2343, 103.6841



47.3949, 43.2694, 57.4861



10.7264, 10.6327, 13.4045



12.9120, 5.8906, 35.2008



0.6859, 0.3173, 1.6702



# Previews

## White Background



This preview shows how the XYZ color 45.8096, 53.8370, 43.5745 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 45.8096, 53.8370, 43.5745 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

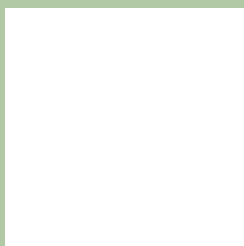
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 45.8096, 53.8370, 43.5745**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.8096, 53.8370, 43.5745.



This preview shows how white text looks on a background with the XYZ color 45.8096, 53.8370,



# 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

45.8096, 53.8370, 43.5745

### Protanopia

50.4048, 53.5505, 41.3979

### Deuteranopia

54.4456, 53.3171, 44.4674



## Tritanopia

50.9151, 53.8737, 68.6879

# Trichromacy



## Original Color

45.8096, 53.8370, 43.5745

## Protanomaly

48.5096, 53.5578, 41.9634

## Deuteranomaly

50.7827, 53.0308, 44.1186

## Tritanomaly

48.7599, 53.6513, 58.8248

# Monochromacy



## Original Color

45.8096, 53.8370, 43.5745

## Achromatopsia

48.9429, 51.4918, 56.0745

## Achromatomaly

47.6399, 52.2341, 51.2874

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.8096, 53.8370, 43.5745 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(177, 201, 165)` looks like.

```
.text, #text, p{  
    color:rgb(177, 201, 165)  
}
```

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(177, 201, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 201, 165) }
```

## Border

The CSS property to change the border of an element to XYZ 45.8096, 53.8370, 43.5745 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(177, 201, 165) }
```



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

```
.border{ border-color:rgb(177, 201, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 201, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 201, 165); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 201, 165); box-shadow:4px 4px 4px 4px rgb(177, 201, 165) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.8096, 53.8370, 43.5745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 201, 165) }
```

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

```
.background{ background-color: rgb(177,  
201, 165) }
```

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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