

# Converting Colors

XYZ(51.0410, 53.6088, 45.3520)

Have a look what the booklet for  
XYZ(51.0410, 53.6088, 45.3520)  
contains.

<b>XYZ(50.9129, 53.4012, 45.1602)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(50.9129, 53.4012,  
45.1602)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CCC0A9
RGB	204, 192, 169
RGB Percent	80%, 75%, 66%
CMY	0.2000, 0.2470, 0.3372
CMYK	0.00, 0.06, 0.17, 0.20
HSL	39°, 26%, 73%
HSV	39°, 17%, 80%
XYZ	50.9129, 53.4012, 45.1602
YIQ	192.9660, 14.5350, -4.6090

# Conversions

## Conversions Part 2

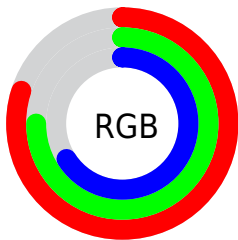
Format	Color
<a href="#">RYB</a>	<a href="#">187, 204, 169</a>
Decimal	<a href="#">13418665</a>
CIELab	<a href="#">78.11, 0.42, 13.11</a>
CIELCh	<a href="#">78, 13.116, 88.178</a>
Yxy	<a href="#">53.4012, 0.3406, 0.3573</a>
Android (android.graphics.Color)	<a href="#">4291608745 (0xFFCCC0A9)</a>
YUV	<a href="#">192.9660, -11.8152, 9.6768</a>
Hunter-Lab	<a href="#">73.0761, -3.5204, 14.5128</a>

# Details

The XYZ color **50.9129, 53.4012, 45.1602** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **43.7850, 45.8414, 63.6677**, and the grayscale version is **50.7310, 53.3730, 58.1232**.

A 20% lighter version of the original color is **88.2619, 93.7766, 83.9698**, and **25.0212, 26.2336, 20.5745** is the 20% darker color. If you saturate the color by 10%, you get **47.6468, 49.6981, 35.3487**, and if you desaturate by 10%, it is **54.5537, 57.3745, 56.5721**.

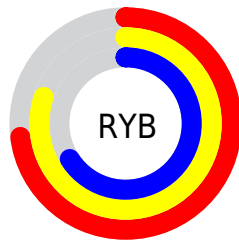
# Distribution



Red (80%)

Green (75%)

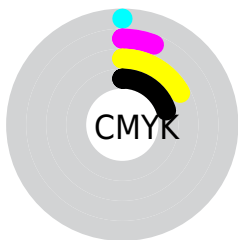
Blue (66%)



Red (73%)

Yellow (80%)

Blue (66%)

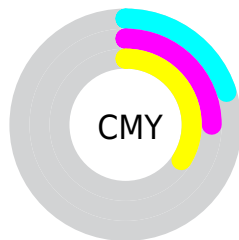


Cyan (0%)

Magenta (6%)

Yellow (17%)

Black (20%)



Cyan (20%)

Magenta (25%)


Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.9129, 53.4012, 45.1602 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 50.9129, 53.4012, 45.1602 by changing the saturation by 10% instead.





 50.9129, 53.4012,  
45.1602

 50.9129, 53.4012,  
45.1602


380.6185,  
399.8225, 383.6010

 36.3601, 38.1231,  
31.2398


 90.7098, 95.1945,  
84.2818

 24.8838, 26.0783,  
20.5215


116.6845,  
122.4785, 110.3199

 16.1188, 16.8822,  
12.5869

147.1972,  
154.5332, 141.2345

 9.6996, 10.1505,  
7.0173

182.6134,  
191.7432, 177.4439

 5.2610, 5.4989,  
3.3943

223.2982,  
234.4927, 219.3667

 2.4375, 2.5428,  
1.2993

269.6171,

 0.8639, 0.8980,

283.1661, 267.4215

0.0612

321.9354,  
338.1479, 322.0267

■ 0.0000, 0.0000,  
0.0000

■ 50.9129, 53.4012,  
45.1602

■ 50.9129, 53.4012,  
45.1602

■ 47.6468, 49.6981,  
35.3487

■ 54.5537, 57.3745,  
56.5721

■ 44.7362, 46.2505,  
27.0611

■ 58.5788, 61.6180,  
69.6493

■ 42.1667, 43.0528,  
20.2196

■ 63.0027, 66.1408,  
84.4574

■ 39.9209, 40.0965,  
14.7384

■ 67.8379, 70.9495,  
101.0572

■ 37.9798, 37.3721,  
10.5222

■ 70.4114, 74.9763,  
105.3685

36.3220, 34.8693,  
7.4634

72.3625, 78.8783,  
106.0189

34.9224, 32.5764,  
5.4364

74.3920, 82.9375,  
106.6954

33.7478, 30.4781,  
4.2708

76.5011, 87.1556,  
107.3984

33.4384, 29.9102,  
4.0108

78.6904, 91.5343,  
108.1282

# Harmonies

## Analogous

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



53.3966, 53.4012, 46.9685



50.9129, 53.4012, 45.1602



48.4667, 53.4012, 46.5808

# Triad

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



50.9129, 53.4012, 45.1602



46.5391, 53.4012, 65.0603



55.0554, 53.4012, 65.9006

# Complementary

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



50.9129, 53.4012, 45.1602



43.7850, 45.8414, 63.6677

# 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.



53.1167, 53.4012, 71.4800



50.9129, 53.4012, 45.1602



48.2044, 53.4012, 70.9668

# Square

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



50.9129, 53.4012, 45.1602



45.9928, 53.4012, 57.6978



50.5999, 53.4012, 73.4065



55.8377, 53.4012, 58.5942



# Rectangle

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



50.9129, 53.4012, 45.1602



47.1751, 53.4012, 49.2406



50.5999, 53.4012, 73.4065



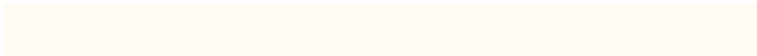
54.5142, 53.4012, 68.0625

# Sweetspot

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



50.9143, 53.4036, 45.1613



91.6863, 96.4493, 97.9856



47.4566, 44.5605, 49.9511



19.5263, 20.5393, 20.6569



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.



50.9143, 53.4036, 45.1613



82.0175, 85.8620, 67.7865



52.2417, 58.1587, 46.0092



11.8175, 12.4240, 11.8547



21.1359, 19.0047, 2.5543



1.1592, 1.1181, 0.1547



# Inverse Universe

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



43.7850, 45.8414, 63.6677



67.8003, 70.7834, 104.6968



42.5990, 41.7638, 62.9431



10.9109, 11.4622, 14.2077



8.3137, 5.6514, 36.6089

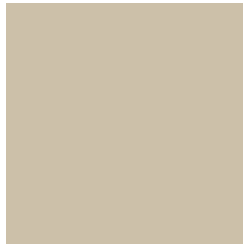


0.4992, 0.4322, 1.9121



# Previews

## White Background



This preview shows how the XYZ color 50.9129, 53.4012, 45.1602 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

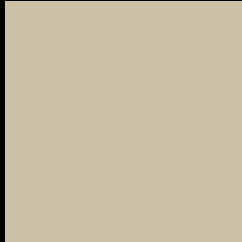
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.9129, 53.4012, 45.1602 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

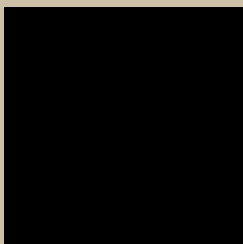
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

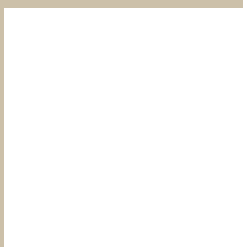
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 50.9129, 53.4012, 45.1602**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.9129, 53.4012, 45.1602.



This preview shows how white text looks on a background with the XYZ color 50.9129, 53.4012,



# 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

50.9129, 53.4012, 45.1602

### Protanopia

50.5885, 53.5611, 45.2081

### Deuteranopia

54.3298, 53.2357, 45.4422



## Tritanopia

54.4434, 53.2148, 63.2791

# Trichromacy



## Original Color

50.9129, 53.4012, 45.1602

## Protanomaly

50.8600, 53.7010, 45.2208

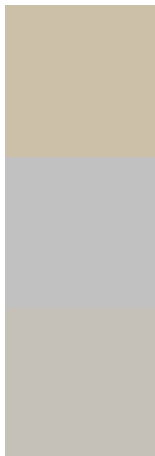
## Deuteranomaly

52.9705, 53.1649, 45.5002

## Tritanomaly

53.2240, 53.3783, 56.2130

# Monochromacy



## Original Color

50.9129, 53.4012, 45.1602

## Achromatopsia

50.6879, 53.3276, 58.0738

## Achromatomaly

50.7477, 53.4709, 52.9936

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.9129, 53.4012, 45.1602 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(204, 192, 169) looks like.

```
.text, #text, p{  
    color:rgb(204, 192, 169)  
}
```

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(204, 192, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 192, 169) }
```

## Border

The CSS property to change the border of an element to XYZ 50.9129, 53.4012, 45.1602 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(204, 192, 169) }
```



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

```
.border{ border-color:rgb(204, 192, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 192, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 192, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 192, 169);  
box-shadow:4px 4px 4px 4px rgb(204, 192,  
169) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.9129, 53.4012, 45.1602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 192, 169) }
```

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

```
.background{ background-color: rgb(204,  
192, 169) }
```

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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