

# Converting Colors

XYZ(45.9643, 48.8391, 39.7545)

Have a look what the booklet for  
XYZ(45.9643, 48.8391, 39.7545)  
contains.

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# **Color**

**XYZ(45.8551, 48.6705,  
39.7784)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C2B99F
RGB	194, 185, 159
RGB Percent	76%, 73%, 62%
CMY	0.2392, 0.2745, 0.3765
CMYK	0.00, 0.05, 0.18, 0.24
HSL	45°, 22%, 69%
HSV	45°, 18%, 76%
XYZ	45.8551, 48.6705, 39.7784
YIQ	184.7270, 13.7100, -6.1780

# Conversions

## Conversions Part 2

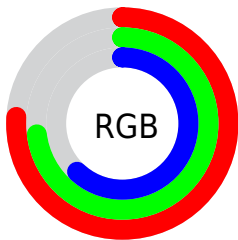
Format	Color
<a href="#">RYB</a>	<a href="#">171, 194, 159</a>
Decimal	<a href="#">12761503</a>
CIELab	<a href="#">75.25, -1.15, 14.35</a>
CIElCh	<a href="#">75, 14.392, 94.585</a>
Yxy	<a href="#">48.6705, 0.3414, 0.3624</a>
Android (android.graphics.Color)	<a href="#">4290951583</a> (0xFFC2B99F)
YUV	<a href="#">184.7270, -12.6834, 8.1324</a>
Hunter-Lab	<a href="#">69.7642, -4.7618, 15.0288</a>

# Details

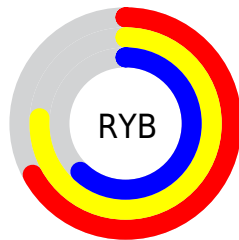
The XYZ color **45.8551, 48.6705, 39.7784** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **38.0381, 39.2703, 56.6143**, and the grayscale version is **46.0264, 48.4233, 52.7330**.

A 20% lighter version of the original color is **83.3766, 88.2749, 76.2627**, and **21.7733, 23.1607, 17.5102** is the 20% darker color. If you saturate the color by 10%, you get **43.2776, 46.0012, 31.2553**, and if you desaturate by 10%, it is **48.7361, 51.5230, 49.7074**.

# Distribution



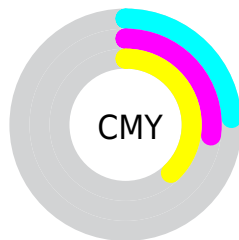
- Red (76%)
- Green (73%)
- Blue (62%)



- Red (67%)
- Yellow (76%)
- Blue (62%)



- Cyan (0%)
- Magenta (5%)
- Yellow (18%)
- Black (24%)




- Cyan (24%)
- Magenta (27%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.8551, 48.6705, 39.7784 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 45.8551, 48.6705, 39.7784 by changing the saturation by 10% instead.





 45.8551, 48.6705,  
39.7784


 45.8551, 48.6705,  
39.7784


360.9515,  
381.4437, 360.7130

 32.3356, 34.3582,  
27.0533

 83.2313, 88.2019,  
76.0593

 21.7748, 23.1689,  
17.3805


 107.8187,  
114.1897, 100.4523

 13.8072, 14.7183,  
10.3413


136.8262,  
144.8382, 129.5716

 8.0675, 8.6219,  
5.5173

170.6191,  
180.5317, 163.8359

 4.1903, 4.4954,  
2.4899

209.5627,  
221.6546, 203.6636

 1.8104, 1.9544,  
0.8348

254.0224,

 0.5239, 0.5808,

268.5913, 249.4734

0.0000

304.3635,  
321.7262, 301.6836

0.0000, 0.0000,  
0.0000

45.8551, 48.6705,  
39.7784

45.8551, 48.6705,  
39.7784

43.2776, 46.0012,  
31.2553

48.7361, 51.5230,  
49.7074

40.9870, 43.5030,  
24.0701

51.9285, 54.5576,  
61.0999

38.9709, 41.1719,  
18.1539

55.4447, 57.7814,  
74.0139

37.2145, 39.0015,  
13.4303

59.2955, 61.1992,  
88.5034

35.7014, 36.9845,  
9.8147

63.3291, 64.7510,  
103.7681

■ 34.4130, 35.1128,  
7.2110

■ 64.5789, 67.2507,  
104.1847

■ 33.3275, 33.3772,  
5.5071

■ 65.8674, 69.8278,  
104.6143

■ 32.4121, 31.7638,  
4.5319

■ 67.1950, 72.4829,  
105.0568

■ 32.2425, 31.4579,  
4.3726

■ 68.5619, 75.2167,  
105.5124

# Harmonies

## Analogous

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



48.4737, 48.6705, 40.9131



45.8551, 48.6705, 39.7784



43.4367, 48.6705, 41.8993

# Triad

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



45.8551, 48.6705, 39.7784



42.2037, 48.6705, 61.6855



50.9999, 48.6705, 59.4840

# Complementary

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



45.8551, 48.6705, 39.7784



38.0381, 39.2703, 56.6143

# 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.



49.2027, 48.6705, 65.8921



45.8551, 48.6705, 39.7784



44.1144, 48.6705, 67.2455

# Square

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



45.8551, 48.6705, 39.7784



41.3802, 48.6705, 54.1650



46.6670, 48.6705, 68.8534



51.5088, 48.6705, 51.8398



# Rectangle

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



45.8551, 48.6705, 39.7784



42.2434, 48.6705, 45.0047



46.6670, 48.6705, 68.8534



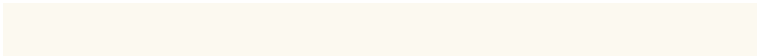
50.5232, 48.6705, 61.8767

# Sweetspot

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



45.8564, 48.6727, 39.7794



89.9499, 94.9392, 95.8880



41.7457, 39.1058, 42.5573



19.6095, 20.7057, 20.6847



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

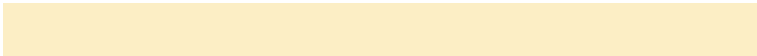


# Same Dimension

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



45.8564, 48.6727, 39.7794



81.0015, 86.0579, 65.1115



45.7594, 51.5054, 40.3313



10.6872, 11.3059, 10.6808



21.2672, 20.8202, 2.8978



0.9718, 1.0054, 0.1428



# Inverse Universe

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



38.0381, 39.2703, 56.6143



63.9852, 65.5960, 101.7587



38.1079, 36.9256, 56.1581



9.7341, 10.1595, 12.7328



7.2052, 4.1669, 33.9812



0.3691, 0.2956, 1.4875



# Previews

## White Background



This preview shows how the XYZ color 45.8551, 48.6705, 39.7784 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 45.8551, 48.6705, 39.7784 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

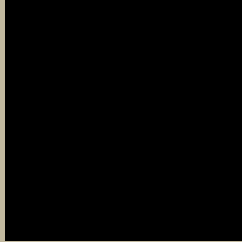
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 45.8551, 48.6705, 39.7784**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.8551, 48.6705, 39.7784.



This preview shows how white text looks on a background with the XYZ color 45.8551, 48.6705,

39.7784.

# 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

45.8551, 48.6705, 39.7784

### Protanopia

46.1126, 48.8032, 39.7905

### Deuteranopia

49.4169, 48.3759, 39.9906



## Tritanopia

49.6121, 48.6797, 57.8202

# Trichromacy



## Original Color

45.8551, 48.6705, 39.7784

## Protanomaly

46.1126, 48.8032, 39.7905

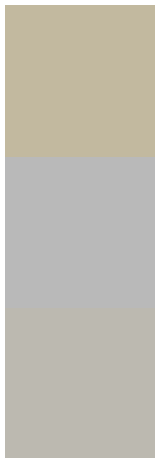
## Deuteranomaly

48.0459, 48.5649, 40.0994

## Tritanomaly

48.0944, 48.6624, 50.5740

# Monochromacy



## Original Color

45.8551, 48.6705, 39.7784

## Achromatopsia

46.1135, 48.5150, 52.8328

## Achromatomaly

45.9245, 48.5239, 48.0199

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.8551, 48.6705, 39.7784 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, 185, 159)` looks like.

```
.text, #text, p{  
    color:rgb(194, 185, 159)  
}
```

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, 185, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 185, 159) }
```

## Border

The CSS property to change the border of an element to XYZ 45.8551, 48.6705, 39.7784 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, 185, 159) }
```



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

```
.border{ border-color:rgb(194, 185, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 185, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 185, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 185, 159);  
box-shadow:4px 4px 4px 4px rgb(194, 185,  
159) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.8551, 48.6705, 39.7784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 185, 159) }
```

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

```
.background{ background-color: rgb(194,  
185, 159) }
```

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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