

# Converting Colors

XYZ(51.9933, 47.4865, 39.3125)

Have a look what the booklet for  
XYZ(51.9933, 47.4865, 39.3125)  
contains.

<b>XYZ(51.9968, 47.4214, 39.2136)</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(51.9968, 47.4214,  
39.2136)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2AA9F
RGB	226, 170, 159
RGB Percent	89%, 67%, 62%
CMY	0.1137, 0.3333, 0.3765
CMYK	0.00, 0.25, 0.30, 0.11
HSL	10°, 54%, 75%
HSV	10°, 30%, 89%
XYZ	51.9968, 47.4214, 39.2136
YIQ	185.4900, 36.9070, 8.4510

# Conversions

## Conversions Part 2

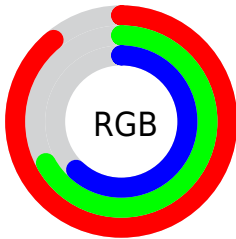
Format	Color
R <sub>Y</sub> B	226, 172, 159
Decimal	14854815
CIE Lab	74.46, 19.02, 13.67
CIE LCh	74, 23.424, 35.698
Yxy	47.4214, 0.3751, 0.3421
Android (android.graphics.Color)	4293044895 (0xFFE2AA9F)
YUV	185.4900, -13.0596, 35.5273
Hunter-Lab	68.8632, 14.2701, 14.4420

# Details

The XYZ color **51.9968, 47.4214, 39.2136** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **52.3253, 61.4609, 81.0571**, and the grayscale version is **46.4443, 48.8630, 53.2118**.

A 20% lighter version of the original color is **80.3028, 79.9655, 74.8208**, and **25.5474, 22.4746, 17.1789** is the 20% darker color. If you saturate the color by 10%, you get **46.9222, 40.1289, 28.7149**, and if you desaturate by 10%, it is **57.9412, 55.8792, 51.7722**.

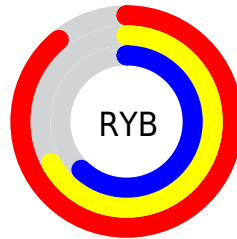
# Distribution



Red (89%)

Green (67%)

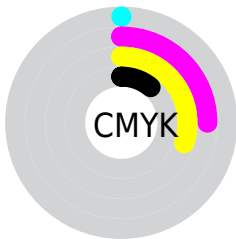
Blue (62%)



Red (89%)

Yellow (67%)

Blue (62%)

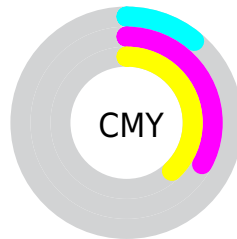


Cyan (0%)

Magenta (25%)

Yellow (30%)

Black (11%)



Cyan (11%)

Magenta (33%)

Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.9968, 47.4214, 39.2136 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 51.9968, 47.4214, 39.2136 by changing the saturation by 10% instead.




 51.9968, 47.4214,  
39.2136


 51.9968, 47.4214,  
39.2136


384.7484,  
376.4941, 358.2508

 37.2268, 33.3689,  
26.6168

 92.3008, 86.3423,  
75.1884

 25.5576, 22.4092,  
17.0558


 118.5654,  
111.9795, 99.4036

 16.6239, 14.1579,  
10.1119


149.3924,  
142.2471, 128.3286

 10.0604, 8.2306,  
5.3666

185.1469,  
177.5294, 162.3821

 5.5016, 4.2428,  
2.4015

226.1944,  
218.2108, 201.9825

 2.5822, 1.8103,  
0.7872

272.9003,

 0.9369, 0.4936,

264.6759, 247.5484

0.0000

325.6298,  
317.3088, 299.4983

■ 0.0000, 0.0000,  
0.0000

■ 51.9968, 47.4214,  
39.2136

■ 51.9968, 47.4214,  
39.2136

■ 46.9222, 40.1289,  
28.7149

■ 57.9412, 55.8792,  
51.7722

■ 42.6725, 33.9440,  
20.1631

■ 64.7901, 65.5435,  
66.4898

■ 39.2045, 28.8142,  
13.4385

■ 72.5808, 76.4616,  
83.4626

■ 36.4691, 24.6798,  
8.4071

■ 81.3472, 88.6764,  
102.7800

■ 34.4119, 21.4753,  
4.9163

■ 85.1742, 94.9088,  
108.4378

■ 32.9701, 19.1267,  
2.7860

■ 32.0549, 17.5433,  
1.7197

■ 32.0295, 17.4994,  
1.6896

# Harmonies

## Analogous

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



53.6487, 47.4214, 49.3584



51.9968, 47.4214, 39.2136



48.4992, 47.4214, 33.2005

# Triad

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



51.9968, 47.4214, 39.2136



38.0670, 47.4214, 42.6388



45.8839, 47.4214, 78.4158

# Complementary

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



51.9968, 47.4214, 39.2136



52.3253, 61.4609, 81.0571

# 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.



41.8114, 47.4214, 75.8718



51.9968, 47.4214, 39.2136



37.4629, 47.4214, 53.9781

# Square

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



51.9968, 47.4214, 39.2136



40.4968, 47.4214, 34.9511



38.7922, 47.4214, 66.4335



49.9808, 47.4214, 72.9256



# Rectangle

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



51.9968, 47.4214, 39.2136



45.6848, 47.4214, 31.7356



38.7922, 47.4214, 66.4335



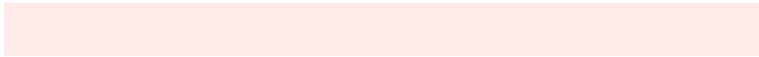
44.4659, 47.4214, 78.4811

# Sweetspot

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



51.9981, 47.4236, 39.2146



85.7561, 86.9760, 88.6494



56.1508, 45.9208, 70.8364



18.0544, 18.1933, 18.3234



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.



51.9981, 47.4236, 39.2146



63.8445, 55.8630, 42.1620



58.8723, 61.1720, 41.5060



13.8882, 14.0624, 14.2891



18.3301, 10.0981, 0.9830



1.3266, 0.8121, 0.0868



# Inverse Universe

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



52.3253, 61.4609, 81.0571



64.3324, 77.3021, 106.1379



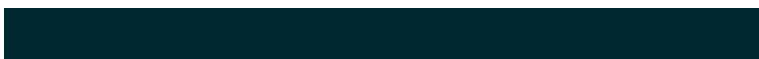
44.8463, 46.5030, 78.5641



13.9149, 15.1690, 17.5822



18.2732, 24.0159, 44.7208



1.3183, 1.7681, 3.1170



# Previews

## White Background



This preview shows how the XYZ color 51.9968, 47.4214, 39.2136 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

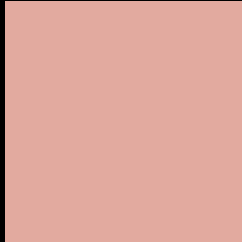
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.9968, 47.4214, 39.2136 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

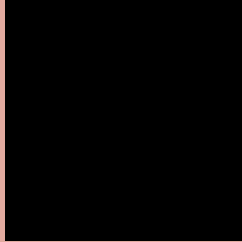
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 51.9968, 47.4214, 39.2136**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.9968, 47.4214, 39.2136.



This preview shows how white text looks on a background with the XYZ color 51.9968, 47.4214,



# 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

51.9968, 47.4214, 39.2136

### Protanopia

45.3023, 47.6965, 42.8951

### Deuteranopia

48.4720, 47.6145, 38.9835



## Tritanopia

54.0518, 47.4267, 49.4854

# Trichromacy



## Original Color

51.9968, 47.4214, 39.2136

## Protanomaly

47.4331, 47.3225, 41.2845

## Deuteranomaly

49.6265, 47.3397, 38.8696

## Tritanomaly

53.1276, 47.3147, 45.3623

# Monochromacy



## Original Color

51.9968, 47.4214, 39.2136

## Achromatopsia

46.1135, 48.5150, 52.8328

## Achromatomaly

47.9771, 48.0565, 47.8215

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.9968, 47.4214, 39.2136 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(226, 170, 159)` looks like.

```
.text, #text, p{  
    color:rgb(226, 170, 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(226, 170, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 170, 159) }
```

## Border

The CSS property to change the border of an element to XYZ 51.9968, 47.4214, 39.2136 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(226, 170, 159) }
```



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

```
.border{ border-color:rgb(226, 170, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 170, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 170, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 170, 159);  
box-shadow:4px 4px 4px 4px rgb(226, 170,  
159) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.9968, 47.4214, 39.2136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 170, 159) }
```

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

```
.background{ background-color: rgb(226,  
170, 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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