

# Converting Colors

XYZ(51.5448, 44.1158, 38.3049)

Have a look what the booklet for  
XYZ(51.5448, 44.1158, 38.3049)  
contains.

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# Color

**XYZ(51.3534, 43.9113,  
38.1169)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E79E9E
RGB	231, 158, 158
RGB Percent	91%, 62%, 62%
CMY	0.0941, 0.3804, 0.3804
CMYK	0.00, 0.32, 0.32, 0.09
HSL	0°, 60%, 76%
HSV	0°, 32%, 91%
XYZ	51.3534, 43.9113, 38.1169
YIQ	179.8270, 43.5080, 15.4760

# Conversions

## Conversions Part 2

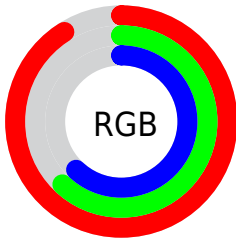
Format	Color
R <sub>Y</sub> B	231, 158, 158
Decimal	15179422
CIE Lab	72.17, 27.20, 11.06
CIE LCh	72, 29.360, 22.130
Yxy	43.9113, 0.3850, 0.3292
Android (android.graphics.Color)	4293369502 (0xFFE79E9E)
YUV	179.8270, -10.7607, 44.8787
Hunter-Lab	66.2656, 22.3661, 12.2815

# Details

The XYZ color **51.3534, 43.9113, 38.1169** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **57.0992, 70.1879, 86.1395**, and the grayscale version is **43.3302, 45.5868, 49.6440**.

A 20% lighter version of the original color is **77.0445, 73.6526, 73.1065**, and **25.2634, 20.3683, 16.5099** is the 20% darker color. If you saturate the color by 10%, you get **45.9723, 36.0376, 27.4182**, and if you desaturate by 10%, it is **57.8510, 53.4196, 51.0325**.

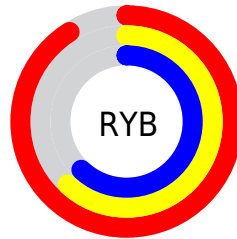
# Distribution



Red (91%)

Green (62%)

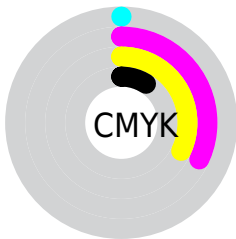
Blue (62%)



Red (91%)

Yellow (62%)

Blue (62%)

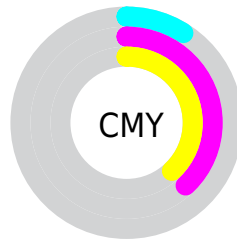


Cyan (0%)

Magenta (32%)

Yellow (32%)

Black (9%)



Cyan (9%)

Magenta (38%)


Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.3534, 43.9113, 38.1169 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 51.3534, 43.9113, 38.1169 by changing the saturation by 10% instead.





 51.3534, 43.9113,  
38.1169

 51.3534, 43.9113,  
38.1169


382.3003,  
362.3462, 353.4344

 36.7121, 30.6008,  
25.7709


 91.3568, 81.0843,  
73.4927

 25.1573, 20.2950,  
16.4281

 117.4497,  
105.7155, 97.3596

 16.3237, 12.6097,  
9.6700


148.0905,  
134.8891, 125.9038

 9.8458, 7.1603,  
5.0780

183.6445,  
168.9894, 159.5439

 5.3583, 3.5626,  
2.2335

224.4771,  
208.4009, 198.6985

 2.4959, 1.4320,  
0.6936

270.9538,

 0.8932, 0.2401,

253.5079, 243.7861

0.0000

323.4397,  
304.6949, 295.2252

0.0000, 0.0000,  
0.0000

51.3534, 43.9113,  
38.1169

51.3534, 43.9113,  
38.1169

45.9723, 36.0376,  
27.4182

57.8510, 53.4196,  
51.0325

41.6417, 29.7006,  
18.8093

65.5194, 64.6405,  
66.2770

38.2940, 24.8019,  
12.1545

74.4134, 77.6549,  
83.9581

35.8523, 21.2289,  
7.3008

84.5834, 92.5363,  
104.1760

34.2283, 18.8523,  
4.0726

86.7650, 95.7289,  
108.5123

■ 33.3160, 17.5173,  
2.2594

■ 32.9552, 16.9893,  
1.5423

# Harmonies

## Analogous

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



52.0703, 43.9113, 51.7065



51.3534, 43.9113, 38.1169



47.9605, 43.9113, 29.1079

# Triad

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



51.3534, 43.9113, 38.1169



34.5566, 43.9113, 32.7424



40.4258, 43.9113, 80.8390

# Complementary

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



51.3534, 43.9113, 38.1169



57.0992, 70.1879, 86.1395

# 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.



36.0755, 43.9113, 73.1844



51.3534, 43.9113, 38.1169



32.8690, 43.9113, 44.1181

# Square

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



51.3534, 43.9113, 38.1169



38.1975, 43.9113, 26.4672



33.4018, 43.9113, 59.0255



45.4874, 43.9113, 78.3391



# Rectangle

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



51.3534, 43.9113, 38.1169



44.7756, 43.9113, 25.9952



33.4018, 43.9113, 59.0255



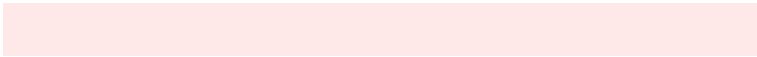
38.8379, 43.9113, 79.3220

# Sweetspot

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



51.3546, 43.9134, 38.1178



84.6837, 84.8313, 88.2919



59.6059, 47.2126, 81.5727



17.7929, 17.6702, 18.2363



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.



51.3546, 43.9134, 38.1178



59.6652, 48.2221, 38.5560



58.5301, 58.2644, 40.5096



14.3771, 14.3682, 14.9200



18.4752, 9.5245, 0.8647



1.3653, 0.7039, 0.0639



# Inverse Universe

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



57.0992, 70.1879, 86.1395



67.9282, 86.0151, 107.6301



47.9280, 51.8456, 83.0824



14.8074, 16.3363, 18.5171



24.1039, 35.2699, 47.9205



1.7812, 2.6064, 3.5412



# Previews

## White Background



This preview shows how the XYZ color 51.3534, 43.9113, 38.1169 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

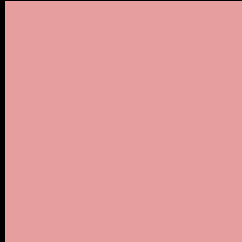
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.3534, 43.9113, 38.1169 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

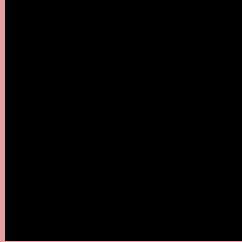
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 51.3534, 43.9113, 38.1169**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.3534, 43.9113, 38.1169.



This preview shows how white text looks on a background with the XYZ color 51.3534, 43.9113,



# 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

51.3534, 43.9113, 38.1169

### Protanopia

42.3185, 44.3387, 43.3736

### Deuteranopia

44.9208, 44.0827, 37.5937



## Tritanopia

52.2351, 43.7599, 42.7392

# Trichromacy



## Original Color

51.3534, 43.9113, 38.1169

## Protanomaly

44.8950, 43.7091, 41.1924

## Deuteranomaly

47.1626, 43.8529, 37.8770

## Tritanomaly

52.0365, 43.9501, 40.8625

# Monochromacy



## Original Color

51.3534, 43.9113, 38.1169

## Achromatopsia

43.3819, 45.6411, 49.7032

## Achromatomaly

45.7521, 44.6257, 45.2320

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.3534, 43.9113, 38.1169 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(231, 158, 158)` looks like.

```
.text, #text, p{  
    color:rgb(231, 158, 158)  
}
```

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(231, 158, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 158, 158) }
```

## Border

The CSS property to change the border of an element to XYZ 51.3534, 43.9113, 38.1169 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(231, 158, 158) }
```



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

```
.border{ border-color:rgb(231, 158, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 158, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 158, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 158, 158);  
box-shadow:4px 4px 4px 4px rgb(231, 158,  
158) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.3534, 43.9113, 38.1169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 158, 158) }
```

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

```
.background{ background-color: rgb(231,  
158, 158) }
```

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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