

# Converting Colors

XYZ(51.7231, 44.1266, 38.1990)

Have a look what the booklet for  
XYZ(51.7231, 44.1266, 38.1990)  
contains.

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# Color

**XYZ(51.6771, 44.0781,  
38.1320)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E89E9E
RGB	232, 158, 158
RGB Percent	91%, 62%, 62%
CMY	0.0902, 0.3804, 0.3804
CMYK	0.00, 0.32, 0.32, 0.09
HSL	0°, 62%, 76%
HSV	0°, 32%, 91%
XYZ	51.6771, 44.0781, 38.1320
YIQ	180.1260, 44.1040, 15.6880

# Conversions

## Conversions Part 2

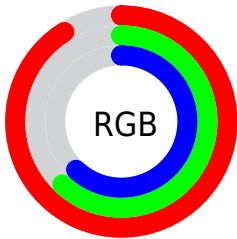
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	232, 158, 158
Decimal	15244958
CIE Lab	72.28, 27.57, 11.23
CIE LCh	72, 29.771, 22.169
Yxy	44.0781, 0.3860, 0.3292
Android (android.graphics.Color)	4293435038 (0xFFE89E9E)
YUV	180.1260, -10.9081, 45.4935
Hunter-Lab	66.3913, 22.7544, 12.4206

# Details

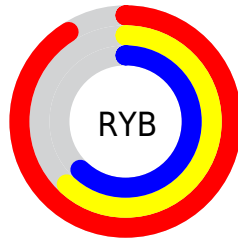
The XYZ color **51.6771, 44.0781, 38.1320** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **57.5216, 70.8061, 86.9793**, and the grayscale version is **43.4912, 45.7561, 49.8284**.

A 20% lighter version of the original color is **77.0445, 73.6526, 73.1065**, and **25.4871, 20.4836, 16.5203** is the 20% darker color. If you saturate the color by 10%, you get **46.2751, 36.1737, 27.3916**, and if you desaturate by 10%, it is **58.2054, 53.6312, 51.1085**.

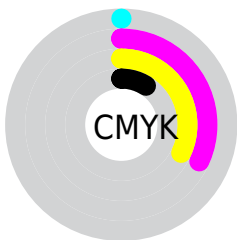
# Distribution



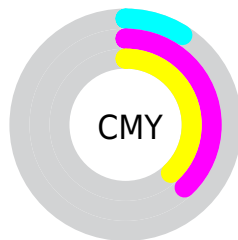
- Red (91%)
- Green (62%)
- Blue (62%)



- 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 51.6771, 44.0781, 38.1320 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 51.6771, 44.0781, 38.1320 by changing the saturation by 10% instead.





 51.6771, 44.0781,  
38.1320


 51.6771, 44.0781,  
38.1320


383.5332,  
363.0269, 353.5010

 36.9710, 30.7319,  
25.7825


 91.8319, 81.3353,  
73.5161

 25.3586, 20.3948,  
16.4367


 118.0113,  
106.0150, 97.3878

 16.4746, 12.6823,  
9.6760


148.7459,  
135.2414, 125.9373

 9.9536, 7.2102,  
5.0819

184.4009,  
169.3988, 159.5831

 5.4302, 3.5939,  
2.2358

225.3418,  
208.8717, 198.7439

 2.5392, 1.4491,  
0.6949

271.9339,

 0.9150, 0.2525,

254.0444, 243.8381

0.0000

324.5426,  
305.3013, 295.2843

■ 0.0000, 0.0000,  
0.0000

■ 51.6771, 44.0781,  
38.1320

■ 51.6771, 44.0781,  
38.1320

■ 46.2751, 36.1737,  
27.3916

■ 58.2054, 53.6312,  
51.1085

■ 41.9323, 29.8190,  
18.7586

■ 65.9148, 64.9123,  
66.4346

■ 38.5804, 24.9141,  
12.0954

■ 74.8609, 78.0029,  
84.2194

■ 36.1412, 21.3448,  
7.2467

■ 85.0948, 92.9778,  
104.5641

■ 34.5251, 18.9799,  
4.0344

■ 87.0888, 95.8958,  
108.5274

■ 33.6244, 17.6617,  
2.2441

■ 33.2789, 17.1561,  
1.5575

# Harmonies

## Analogous

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



52.4111, 44.0781, 51.9340



51.6771, 44.0781, 38.1320



48.2201, 44.0781, 29.0099

# Triad

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



51.6771, 44.0781, 38.1320



34.5984, 44.0781, 32.7100



40.5693, 44.0781, 81.6482

# Complementary

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



51.6771, 44.0781, 38.1320



57.5216, 70.8061, 86.9793

# 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.



36.1485, 44.0781, 73.8497



51.6771, 44.0781, 38.1320



32.8888, 44.0781, 44.2577

# Square

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



51.6771, 44.0781, 38.1320



38.2929, 44.0781, 26.3522



33.4323, 44.0781, 59.4237



45.7160, 44.0781, 79.0831



# Rectangle

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



51.6771, 44.0781, 38.1320



44.9787, 44.0781, 25.8664



33.4323, 44.0781, 59.4237



38.9554, 44.0781, 80.1045

# Sweetspot

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



51.6783, 44.0802, 38.1329



83.6111, 83.2617, 86.1596



60.0713, 47.4362, 82.3340



17.5792, 17.3576, 17.8115



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.



51.6783, 44.0802, 38.1329



59.6651, 48.2220, 38.5560



58.9657, 58.6550, 40.5620



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.



57.5216, 70.8061, 86.9793



67.9283, 86.0153, 107.6302



48.1815, 52.1259, 83.8659



14.8074, 16.3363, 18.5171



24.1040, 35.2701, 47.9206



1.7812, 2.6064, 3.5412



# Previews

## White Background



This preview shows how the XYZ color 51.6771, 44.0781, 38.1320 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

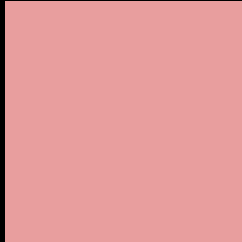
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.6771, 44.0781, 38.1320 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

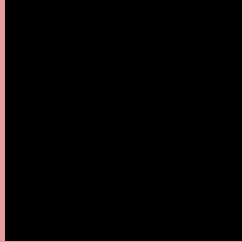
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 51.6771, 44.0781, 38.1320

## Background



This preview shows how black text looks on a background with the XYZ color 51.6771, 44.0781, 38.1320.



This preview shows how white text looks on a background with the XYZ color 51.6771, 44.0781,



# 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

51.6771, 44.0781, 38.1320

### Protanopia

42.3185, 44.3387, 43.3736

### Deuteranopia

45.1923, 44.2226, 37.6064



## Tritanopia

52.5606, 43.9277, 42.7544

# Trichromacy



## Original Color

51.6771, 44.0781, 38.1320

## Protanomaly

45.1630, 43.8473, 41.2050

## Deuteranomaly

47.4536, 44.0029, 37.8906

## Tritanomaly

52.3621, 44.1179, 40.8778

# Monochromacy



## Original Color

51.6771, 44.0781, 38.1320

## 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 51.6771, 44.0781, 38.1320 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(232, 158, 158)` looks like.

```
.text, #text, p{  
    color:rgb(232, 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(232, 158, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 158, 158) }
```

## Border

The CSS property to change the border of an element to XYZ 51.6771, 44.0781, 38.1320 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(232, 158, 158) }
```



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

```
.border{ border-color:rgb(232, 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(232, 158, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 158, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 158, 158);  
box-shadow:4px 4px 4px 4px rgb(232, 158,  
158) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.6771, 44.0781, 38.1320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 158, 158) }
```

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

```
.background{ background-color: rgb(232,  
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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