

# Converting Colors

XYZ(60.8407, 53.3066, 78.5454)

Have a look what the booklet for  
XYZ(60.8407, 53.3066, 78.5454)  
contains.

<b>XYZ(60.8750, 53.4458, 78.3418)</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(60.8750, 53.4458,  
78.3418)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2B2E1
RGB	226, 178, 225
RGB Percent	89%, 70%, 88%
CMY	0.1137, 0.3019, 0.1176
CMYK	0.00, 0.21, 0.00, 0.11
HSL	301°, 45%, 79%
HSV	301°, 21%, 89%
XYZ	60.8750, 53.4458, 78.3418
YIQ	197.7100, 13.5210, 24.7930

# Conversions

## Conversions Part 2

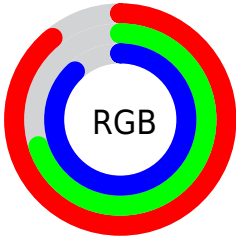
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 178, 225
Decimal	14856929
CIE Lab	78.14, 25.23, -16.91
CIE LCh	78, 30.371, 326.168
Yxy	53.4458, 0.3160, 0.2774
Android (android.graphics.Color)	4293047009 (0xFFE2B2E1)
YUV	197.7100, 13.4540, 24.8103
Hunter-Lab	73.1066, 20.6982, -12.3611

# Details

The XYZ color **60.8750, 53.4458, 78.3418** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **53.6952, 67.1139, 52.7749**, and the grayscale version is **53.4171, 56.1990, 61.2007**.

A 20% lighter version of the original color is **88.7128, 87.3256, 106.7876**, and **31.1669, 26.1156, 41.4283** is the 20% darker color. If you saturate the color by 10%, you get **56.6799, 45.1574, 76.6275**, and if you desaturate by 10%, it is **65.8143, 63.2205, 80.3063**.

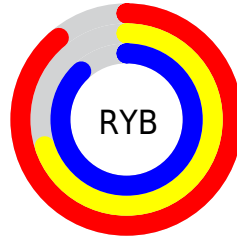
# Distribution



Red (89%)

Green (70%)

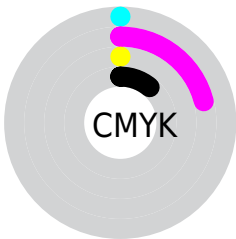
Blue (88%)



Red (89%)

Yellow (70%)

Blue (88%)

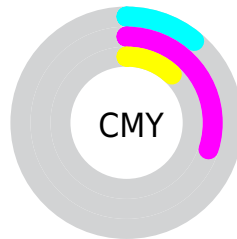


Cyan (0%)

Magenta (21%)

Yellow (0%)

Black (11%)



Cyan (11%)

Magenta (30%)


Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.8750, 53.4458, 78.3418 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 60.8750, 53.4458, 78.3418 by changing the saturation by 10% instead.





 60.8750, 53.4458,  
78.3418

 60.8750, 53.4458,  
78.3418

417.5988,  
399.9931, 508.8855

 44.3765, 38.1588,  
57.8367


 105.1971, 95.2600,  
132.8221

 31.1657, 26.1059,  
41.2635


133.7513,  
122.5560, 167.6343

 20.8775, 16.9029,  
28.2038


167.0548,  
154.6238, 208.0527

 13.1465, 10.1653,  
18.2390

205.4729,  
191.8477, 254.4958

 7.6072, 5.5087,  
10.9505

249.3710,  
234.6123, 307.3820

 3.8943, 2.5487,  
5.9198

299.1145,

 1.6425, 0.9010,

283.3017, 367.1301

2.7284

355.0686,  
338.3006, 434.1584

■ 0.4199, 0.0000,  
0.9577

■ 0.0000, 0.0000,  
0.0000

■ 60.8750, 53.4458,  
78.3418

■ 60.8750, 53.4458,  
78.3418

■ 56.6799, 45.1574,  
76.6275

■ 65.8143, 63.2205,  
80.3063

■ 53.1879, 38.2757,  
75.1478

■ 71.5267, 74.5420,  
82.5287

■ 50.3613, 32.7246,  
73.8908

■ 78.0455, 87.4760,  
85.0208

■ 48.1569, 28.4177,  
72.8420

■ 80.9737, 93.2287,  
86.3169

46.5266, 25.2587,  
71.9856

81.0387, 93.2547,  
86.6596

45.4152, 23.1371,  
71.3029

81.1040, 93.2808,  
87.0031

44.7564, 21.9205,  
70.7719

81.1694, 93.3069,  
87.3476

44.4545, 21.4050,  
70.3992

81.2350, 93.3332,  
87.6931

81.3008, 93.3595,  
88.0395

# Harmonies

## Analogous

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



55.9968, 53.4458, 92.7119



60.8750, 53.4458, 78.3418



63.0507, 53.4458, 60.4040

# Triad

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



60.8750, 53.4458, 78.3418



51.5647, 53.4458, 31.3058



41.2336, 53.4458, 73.8214

# Complementary

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



60.8750, 53.4458, 78.3418



53.6952, 67.1139, 52.7749

# 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.



40.2464, 53.4458, 56.0374



60.8750, 53.4458, 78.3418



45.9325, 53.4458, 33.5226

# Square

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



60.8750, 53.4458, 78.3418



57.4176, 53.4458, 35.0569



41.9005, 53.4458, 41.8346



44.7089, 53.4458, 89.7656



# Rectangle

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



60.8750, 53.4458, 78.3418



62.5604, 53.4458, 49.5627



41.9005, 53.4458, 41.8346



40.6120, 53.4458, 67.7720

# Sweetspot

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



60.8766, 53.4481, 78.3429



90.3105, 90.6032, 107.0672



48.1945, 46.8944, 78.4638



19.2247, 19.1837, 22.8757



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.



60.8766, 53.4481, 78.3429



77.7622, 65.7655, 102.0859



57.8524, 52.2384, 62.4177



14.2821, 13.9305, 17.2555



25.3669, 12.2137, 40.1932



1.7623, 0.8482, 2.8070



# Inverse Universe

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



60.8766, 53.4481, 78.3429



77.7622, 65.7655, 102.0859



56.3140, 68.1614, 66.5654



14.2821, 13.9305, 17.2555



25.3669, 12.2137, 40.1932



1.7623, 0.8482, 2.8070



# Previews

## White Background



This preview shows how the XYZ color 60.8750, 53.4458, 78.3418 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

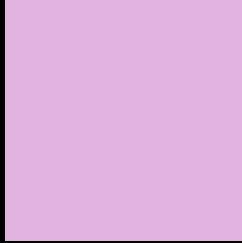
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.8750, 53.4458, 78.3418 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

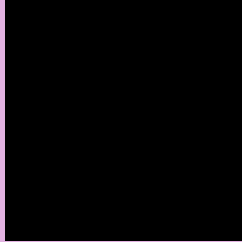
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 60.8750, 53.4458, 78.3418**

## **Background**



This preview shows how black text looks on a background with the XYZ color 60.8750, 53.4458, 78.3418.



This preview shows how white text looks on a background with the XYZ color 60.8750, 53.4458,



# 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

60.8750, 53.4458, 78.3418

### Protanopia

53.4681, 53.8301, 85.4141

### Deuteranopia

54.8056, 53.7287, 77.2941



## Tritanopia

57.1357, 53.4278, 60.1245

# Trichromacy



## Original Color

60.8750, 53.4458, 78.3418

## Protanomaly

55.7473, 53.4523, 82.9804

## Deuteranomaly

56.8159, 53.4896, 77.8510

## Tritanomaly

58.2178, 53.2407, 66.2396

# Monochromacy



## Original Color

60.8750, 53.4458, 78.3418

## Achromatopsia

53.6758, 56.4712, 61.4971

## Achromatomaly

56.0284, 55.2256, 67.3811

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.8750, 53.4458, 78.3418 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, 178, 225)` looks like.

```
.text, #text, p{  
    color:rgb(226, 178, 225)  
}
```

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, 178, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 178, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 60.8750, 53.4458, 78.3418 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, 178, 225) }
```



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

```
.border{ border-color:rgb(226, 178, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 178, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 178, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 178, 225); box-shadow:4px 4px 4px 4px rgb(226, 178, 225) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.8750, 53.4458, 78.3418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 178, 225) }
```

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

```
.background{ background-color: rgb(226,  
178, 225) }
```

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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