

# Converting Colors

XYZ(45.5552, 35.9763, 33.6280)

Have a look what the booklet for  
XYZ(45.5552, 35.9763, 33.6280)  
contains.

<b>XYZ(45.4414, 35.8502, 33.8029)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(45.4414, 35.8502,  
33.8029)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E18897
RGB	225, 136, 151
RGB Percent	88%, 53%, 59%
CMY	0.1176, 0.4666, 0.4078
CMYK	0.00, 0.40, 0.33, 0.12
HSL	350°, 60%, 71%
HSV	350°, 40%, 88%
XYZ	45.4414, 35.8502, 33.8029
YIQ	164.3210, 48.2290, 23.5330

# Conversions

## Conversions Part 2

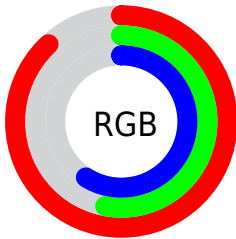
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	225, 136, 151
Decimal	14780567
CIE <sub>Lab</sub>	66.41, 35.77, 6.65
CIE <sub>LCh</sub>	66, 36.386, 10.538
Yxy	35.8502, 0.3948, 0.3115
Android (android.graphics.Color)	4292970647 (0xFFE18897)
YUV	164.3210, -6.5673, 53.2155
Hunter-Lab	59.8750, 30.6890, 8.4399

# Details

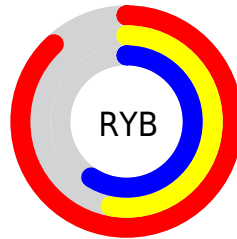
The XYZ color **45.4414, 35.8502, 33.8029** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **48.7131, 63.7386, 70.7115**, and the grayscale version is **35.4546, 37.3010, 40.6208**.

A 20% lighter version of the original color is **70.6729, 62.4947, 66.0954**, and **21.4069, 15.4762, 13.9155** is the 20% darker color. If you saturate the color by 10%, you get **41.1980, 29.6050, 25.4777**, and if you desaturate by 10%, it is **50.5930, 43.5256, 43.6212**.

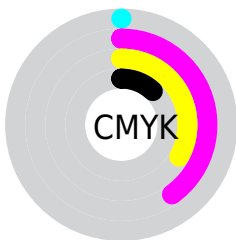
# Distribution



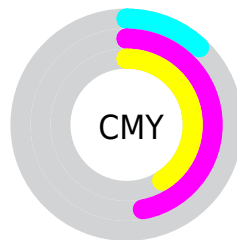
- Red (88%)
- Green (53%)
- Blue (59%)



- Red (88%)
- Yellow (53%)
- Blue (59%)



- Cyan (0%)
- Magenta (40%)
- Yellow (33%)
- Black (12%)




- Cyan (12%)
- Magenta (47%)
- Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.4414, 35.8502, 33.8029 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 45.4414, 35.8502, 33.8029 by changing the saturation by 10% instead.





 45.4414, 35.8502,  
33.8029


 45.4414, 35.8502,  
33.8029


359.3120,  
328.3053, 333.9946


 32.0080, 24.3185,  
22.4661


 82.6154, 68.8008,  
66.7574

 21.5232, 15.5701,  
13.9982


 107.0867, 90.9885,  
89.2122

 13.6216, 9.2204,  
7.9807


 135.9680,  
117.4970, 116.2101

 7.9379, 4.8852,  
3.9950

169.6246,  
148.7107, 148.1696

 4.1067, 2.1801,  
1.6226

208.4220,  
185.0140, 185.5093

 1.7627, 0.7091,  
0.3069

252.7255,

 0.4950, 0.0000,

226.7913, 228.6476

0.0000

302.9003,  
274.4269, 278.0032

■ 0.0000, 0.0000,  
0.0000

■ 45.4414, 35.8502,  
33.8029

■ 45.4414, 35.8502,  
33.8029

■ 41.1980, 29.6050,  
25.4777

■ 50.5930, 43.5256,  
43.6212

■ 37.8066, 24.6962,  
18.5697

■ 56.6988, 52.7067,  
54.9990

■ 35.2091, 21.0272,  
12.9995

■ 63.8051, 63.4701,  
68.0014

■ 33.3389, 18.4861,  
8.6787

■ 71.9544, 75.8855,  
82.6889

■ 32.1179, 16.9406,  
5.5079

■ 81.1867, 90.0188,  
99.1191

■ 31.4243, 16.1742,  
3.3633

■ 84.8614, 94.7476,  
108.4232

■ 31.3998, 16.1469,  
3.2879

# Harmonies

## Analogous

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



44.9323, 35.8502, 49.9041



45.4414, 35.8502, 33.8029



42.6685, 35.8502, 22.6070

# Triad

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



45.4414, 35.8502, 33.8029



27.7115, 35.8502, 20.3909



30.7032, 35.8502, 74.6891

# Complementary

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



45.4414, 35.8502, 33.8029



48.7131, 63.7386, 70.7115

# 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.



26.7197, 35.8502, 61.9516



45.4414, 35.8502, 33.8029



25.1240, 35.8502, 29.8708

# Square

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



45.4414, 35.8502, 33.8029



32.1951, 35.8502, 16.3507



24.7814, 35.8502, 44.7804



36.0258, 35.8502, 76.5662



# Rectangle

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



45.4414, 35.8502, 33.8029



39.4890, 35.8502, 18.3124



24.7814, 35.8502, 44.7804



29.1791, 35.8502, 71.4022

# Sweetspot

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



45.4424, 35.8520, 33.8036



82.2239, 80.4748, 85.7359



48.6009, 36.5556, 75.7287



17.3267, 16.8116, 17.8537



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.



45.4424, 35.8520, 33.8036



55.8703, 41.0080, 36.1327



48.8048, 44.4034, 29.2932



13.8010, 13.7380, 14.7222



18.1230, 9.3162, 2.0478



1.2850, 0.6573, 0.2936



# Inverse Universe

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



45.4424, 35.8520, 33.8036



55.8703, 41.0080, 36.1327



43.6700, 50.5212, 78.6842



13.8010, 13.7380, 14.7222



18.1230, 9.3162, 2.0478



1.2850, 0.6573, 0.2936



# Previews

## White Background



This preview shows how the XYZ color 45.4414, 35.8502, 33.8029 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 45.4414, 35.8502, 33.8029 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 45.4414, 35.8502, 33.8029**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.4414, 35.8502, 33.8029.



This preview shows how white text looks on a background with the XYZ color 45.4414, 35.8502,



# 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

45.4414, 35.8502, 33.8029

### Protanopia

34.8462, 36.0989, 40.7285

### Deuteranopia

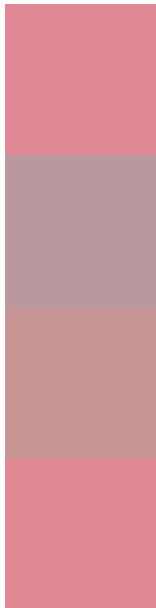
36.6834, 35.9508, 32.6095



## Tritanopia

45.2635, 36.0055, 32.1679

# Trichromacy



## Original Color

45.4414, 35.8502, 33.8029

## Protanomaly

37.8231, 35.4336, 38.1036

## Deuteranomaly

39.3814, 35.6388, 32.8203

## Tritanomaly

45.3423, 36.0370, 32.5830

# Monochromacy



## Original Color

45.4414, 35.8502, 33.8029

## Achromatopsia

35.2861, 37.1238, 40.4278

## Achromatomaly

38.0633, 36.0535, 37.7538

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.4414, 35.8502, 33.8029 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(225, 136, 151)` looks like.

```
.text, #text, p{  
    color:rgb(225, 136, 151)  
}
```

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(225, 136, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 136, 151) }
```

## Border

The CSS property to change the border of an element to XYZ 45.4414, 35.8502, 33.8029 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(225, 136, 151) }
```



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

```
.border{ border-color:rgb(225, 136, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 136, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 136, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 136, 151);  
box-shadow:4px 4px 4px 4px rgb(225, 136,  
151) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.4414, 35.8502, 33.8029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 136, 151) }
```

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

```
.background{ background-color: rgb(225,  
136, 151) }
```

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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