

# Converting Colors

XYZ(45.9048, 34.3484, 27.0726)

Have a look what the booklet for  
XYZ(45.9048, 34.3484, 27.0726)  
contains.

<b>XYZ(45.8942, 34.4204, 27.1466)</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(45.8942, 34.4204,  
27.1466)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EA7F87
RGB	234, 127, 135
RGB Percent	92%, 50%, 53%
CMY	0.0824, 0.5019, 0.4706
CMYK	0.00, 0.46, 0.42, 0.08
HSL	356°, 72%, 71%
HSV	356°, 46%, 92%
XYZ	45.8942, 34.4204, 27.1466
YIQ	159.9050, 61.2040, 25.1720

# Conversions

## Conversions Part 2

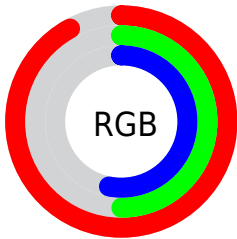
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">234, 127, 135</a>
Decimal	<a href="#">15368071</a>
CIELab	<a href="#">65.29, 41.85, 14.29</a>
CIELCh	<a href="#">65, 44.224, 18.847</a>
Yxy	<a href="#">34.4204, 0.4271, 0.3203</a>
Android (android.graphics.Color)	<a href="#">4293558151</a> ( <a href="#">0xFFEA7F87</a> )
YUV	<a href="#">159.9050, -12.2782, 64.9813</a>
Hunter-Lab	<a href="#">58.6689, 36.9624, 13.6342</a>

# Details

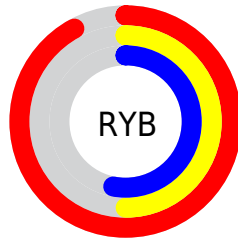
The XYZ color **45.8942, 34.4204, 27.1466** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **51.9044, 68.8493, 82.5090**, and the grayscale version is **33.4058, 35.1455, 38.2734**.

A 20% lighter version of the original color is **67.0450, 58.3467, 55.3053**, and **21.8350, 14.8020, 10.3006** is the 20% darker color. If you saturate the color by 10%, you get **41.8428, 28.5142, 19.0245**, and if you desaturate by 10%, it is **50.9591, 41.8576, 37.1365**.

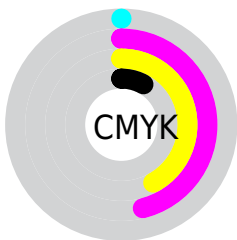
# Distribution



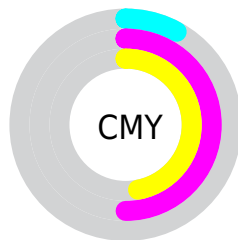
- Red (92%)
- Green (50%)
- Blue (53%)



- Red (92%)
- Yellow (50%)
- Blue (53%)



- Cyan (0%)
- Magenta (46%)
- Yellow (42%)
- Black (8%)




- Cyan (8%)
- Magenta (50%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.8942, 34.4204, 27.1466 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 45.8942, 34.4204, 27.1466 by changing the saturation by 10% instead.




 45.8942, 34.4204,  
27.1466


 45.8942, 34.4204,  
27.1466


361.1062,  
322.0026, 302.1488

 32.3666, 23.2167,  
17.4499


 83.2895, 66.5869,  
56.1256

 21.7986, 14.7536,  
10.3905


 107.8879, 88.3185,  
76.2451

 13.8247, 8.6467,  
5.5496


 136.9072,  
114.3283, 100.6758

 8.0798, 4.5114,  
2.5089

170.7129,  
145.0005, 129.8365

 4.1983, 1.9636,  
0.8449

209.6703,  
180.7197, 164.1456

 1.8149, 0.5862,  
0.0000

254.1448,

 0.5266, 0.0000,

221.8702, 204.0217

0.0000

304.5016,  
268.8363, 249.8832

■ 0.0000, 0.0000,  
0.0000

■ 45.8942, 34.4204,  
27.1466

■ 45.8942, 34.4204,  
27.1466

■ 41.8428, 28.5142,  
19.0245

■ 50.9591, 41.8576,  
37.1365

■ 38.7340, 24.0275,  
12.6524

■ 57.0968, 50.9164,  
49.0983

■ 36.4922, 20.8424,  
7.9016


■ 64.3650, 61.6868,  
63.1308


■ 35.0285, 18.8195,  
4.6255

■ 72.8165, 74.2507,  
79.3256

■ 34.2351, 17.7876,  
2.6503

■ 82.5011, 88.6844,  
97.7687

 34.0366, 17.5344,  
2.1409

 87.7416, 96.2324,  
108.5580

# Harmonies

## Analogous

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



46.4354, 34.4204, 44.7674



45.8942, 34.4204, 27.1466



41.5628, 34.4204, 16.6103

# Triad

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



45.8942, 34.4204, 27.1466



24.2471, 34.4204, 18.6445



30.3775, 34.4204, 84.1688

# Complementary

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



45.8942, 34.4204, 27.1466



51.9044, 68.8493, 82.5090

# 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.



25.2223, 34.4204, 71.0371



45.8942, 34.4204, 27.1466



22.0054, 34.4204, 31.0261

# Square

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



45.8942, 34.4204, 27.1466



28.8751, 34.4204, 12.9321



22.3373, 34.4204, 50.1454



36.8823, 34.4204, 82.0738



# Rectangle

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



45.8942, 34.4204, 27.1466



37.3922, 34.4204, 13.1739



22.3373, 34.4204, 50.1454



28.4461, 34.4204, 81.2528

# Sweetspot

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



45.8951, 34.4222, 27.1472



79.8303, 77.3519, 79.8073



53.5189, 37.1420, 82.1901



16.6404, 15.8935, 16.2236



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.



45.8951, 34.4222, 27.1472



51.0586, 34.9511, 23.5340



52.4369, 48.3730, 26.6541



15.1111, 15.0723, 15.8705



19.1439, 9.8602, 1.2931



1.5192, 0.7806, 0.1855



# Inverse Universe

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



45.8951, 34.4222, 27.1472



51.0586, 34.9511, 23.5340



41.8926, 47.0289, 84.7113



15.1111, 15.0723, 15.8705



19.1439, 9.8602, 1.2931



1.5192, 0.7806, 0.1855



# Previews

## White Background



This preview shows how the XYZ color 45.8942, 34.4204, 27.1466 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

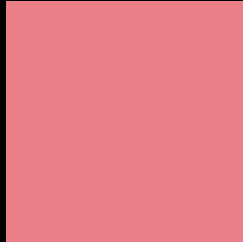
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.8942, 34.4204, 27.1466 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 45.8942, 34.4204, 27.1466**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.8942, 34.4204, 27.1466.



This preview shows how white text looks on a background with the XYZ color 45.8942, 34.4204,



# 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

45.8942, 34.4204, 27.1466

### Protanopia

33.1226, 34.5806, 34.2071

### Deuteranopia

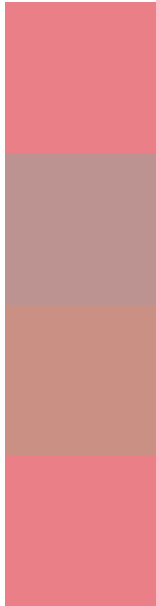
35.2551, 34.6115, 26.2953



## Tritanopia

45.9650, 34.4487, 27.5192

# Trichromacy



## Original Color

45.8942, 34.4204, 27.1466

## Protanomaly

36.5308, 33.7306, 31.3733

## Deuteranomaly

38.4952, 34.1690, 26.3962

## Tritanomaly

45.9650, 34.4487, 27.5192

# Monochromacy



## Original Color

45.8942, 34.4204, 27.1466

## Achromatopsia

33.4132, 35.1533, 38.2819

## Achromatomaly

36.6693, 33.9790, 33.9041

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.8942, 34.4204, 27.1466 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(234, 127, 135)` looks like.

```
.text, #text, p{  
    color:rgb(234, 127, 135)  
}
```

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(234, 127, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 127, 135) }
```

## Border

The CSS property to change the border of an element to XYZ 45.8942, 34.4204, 27.1466 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(234, 127, 135) }
```



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

```
.border{ border-color:rgb(234, 127, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 127, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 127, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 127, 135);  
box-shadow:4px 4px 4px 4px rgb(234, 127,  
135) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.8942, 34.4204, 27.1466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 127, 135) }
```

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

```
.background{ background-color: rgb(234,  
127, 135) }
```

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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