

# Converting Colors

XYZ(45.9967, 35.1457, 24.6114)

Have a look what the booklet for  
XYZ(45.9967, 35.1457, 24.6114)  
contains.

<b>XYZ(46.1399, 35.1859, 24.7818)</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(46.1399, 35.1859,  
24.7818)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EB8280
RGB	235, 130, 128
RGB Percent	92%, 51%, 50%
CMY	0.0784, 0.4902, 0.4980
CMYK	0.00, 0.45, 0.46, 0.08
HSL	1°, 73%, 71%
HSV	1°, 46%, 92%
XYZ	46.1399, 35.1859, 24.7818
YIQ	161.1670, 63.2220, 21.6380

# Conversions

## Conversions Part 2

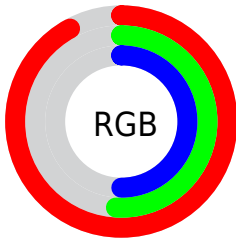
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	235, 130, 128
Decimal	15434368
CIE Lab	65.89, 39.97, 19.08
CIE LCh	66, 44.295, 25.521
Yxy	35.1859, 0.4348, 0.3316
Android (android.graphics.Color)	4293624448 (0xFFEB8280)
YUV	161.1670, -16.3513, 64.7515
Hunter-Lab	59.3177, 35.0391, 16.7522

# Details

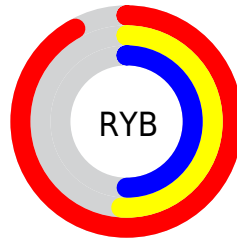
The XYZ color **46.1399, 35.1859, 24.7818** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **53.0350, 68.8622, 89.0938**, and the grayscale version is **34.0079, 35.7789, 38.9633**.

A 20% lighter version of the original color is **66.9295, 59.2941, 51.6334**, and **22.0402, 15.2434, 9.1778** is the 20% darker color. If you saturate the color by 10%, you get **42.0373, 29.1762, 16.6465**, and if you desaturate by 10%, it is **51.2897, 42.7169, 35.0339**.

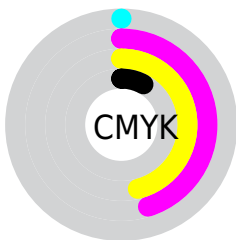
# Distribution



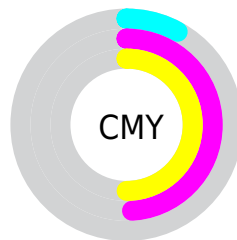
- Red (92%)
- Green (51%)
- Blue (50%)



- Red (92%)
- Yellow (51%)
- Blue (50%)



- Cyan (0%)
- Magenta (45%)
- Yellow (46%)
- Black (8%)




- Cyan (8%)
- Magenta (49%)
- Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.1399, 35.1859, 24.7818 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 46.1399, 35.1859, 24.7818 by changing the saturation by 10% instead.





 46.1399, 35.1859,  
24.7818


 46.1399, 35.1859,  
24.7818


362.0773,  
325.3881, 290.1624

 32.5613, 23.8061,  
15.6970


 83.6549, 67.7737,  
52.2627

 21.9482, 15.1899,  
9.1580


 108.3221, 89.7504,  
71.4960

 13.9353, 8.9527,  
4.7462

 137.4161,  
116.0283, 94.9491

 8.1570, 4.7104,  
2.0430

171.3024,  
146.9917, 123.0407

 4.2483, 2.0783,  
0.5815

210.3463,  
183.0249, 156.1893

 1.8435, 0.6524,  
0.0000

254.9132,

 0.5437, 0.0000,

224.5125, 194.8134

0.0000

305.3684,  
271.8388, 239.3316

■ 0.0000, 0.0000,  
0.0000

■ 46.1399, 35.1859,  
24.7818

■ 46.1399, 35.1859,  
24.7818

■ 42.0373, 29.1762,  
16.6465

■ 51.2897, 42.7169,  
35.0339

■ 38.9078, 24.5794,  
10.4784

■ 57.5489, 51.8573,  
47.5343

■ 36.6716, 21.2817,  
6.1117


■ 64.9779, 62.6946,  
62.4062


■ 35.2354, 19.1491,  
3.3525

■ 73.6322, 75.3088,  
79.7632

■ 34.4852, 18.0187,  
1.9620

■ 83.5635, 89.7744,  
99.7117

 34.3088, 17.7578,  
1.6193

 88.0710, 96.4022,  
108.5734

# Harmonies

## Analogous

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



47.6304, 35.1859, 41.1969



46.1399, 35.1859, 24.7818



41.0887, 35.1859, 15.6125

# Triad

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



46.1399, 35.1859, 24.7818



24.1013, 35.1859, 21.3100



32.4695, 35.1859, 86.6729

# Complementary

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



46.1399, 35.1859, 24.7818



53.0350, 68.8622, 89.0938

# 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.



26.8102, 35.1859, 76.3835



46.1399, 35.1859, 24.7818



22.3963, 35.1859, 35.5640

# Square

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



46.1399, 35.1859, 24.7818



28.3068, 35.1859, 14.1154



23.3196, 35.1859, 56.0406



39.1660, 35.1859, 80.9314



# Rectangle

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



46.1399, 35.1859, 24.7818



36.6908, 35.1859, 12.9306



23.3196, 35.1859, 56.0406



30.3930, 35.1859, 84.9014

# Sweetspot

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



46.1408, 35.1877, 24.7825



79.6508, 77.5605, 77.9977



56.7192, 38.9964, 81.7908



16.5974, 15.9433, 15.7906



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.



46.1408, 35.1877, 24.7825



50.7256, 35.3031, 20.2850



55.1494, 53.2049, 27.7853



15.0881, 15.0992, 15.6379



19.1046, 9.9035, 0.9046



1.5082, 0.7937, 0.0737



# Inverse Universe

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



53.0350, 68.8622, 89.0938



60.0145, 80.7022, 107.0217



40.1619, 43.1159, 84.8027



15.4921, 17.0706, 19.4007



24.1978, 35.0426, 49.2315



1.9079, 2.7672, 3.8684



# Previews

## White Background



This preview shows how the XYZ color 46.1399, 35.1859, 24.7818 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

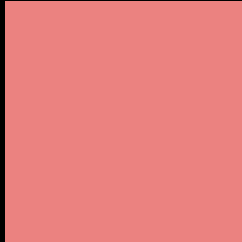
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.1399, 35.1859, 24.7818 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 46.1399, 35.1859, 24.7818**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.1399, 35.1859, 24.7818.



This preview shows how white text looks on a background with the XYZ color 46.1399, 35.1859,

24.7818.

# 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

46.1399, 35.1859, 24.7818

### Protanopia

33.6772, 35.4496, 31.0541

### Deuteranopia

35.9327, 35.2578, 23.9804



## Tritanopia

46.8987, 35.1062, 28.3491

# Trichromacy



## Original Color

46.1399, 35.1859, 24.7818

## Protanomaly

37.0731, 34.5363, 28.7570

## Deuteranomaly

39.0039, 34.7106, 24.0461

## Tritanomaly

46.7454, 35.2546, 26.8953

# Monochromacy



## Original Color

46.1399, 35.1859, 24.7818

## Achromatopsia

33.8758, 35.6400, 38.8120

## Achromatomaly

37.0702, 34.6740, 33.1727

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.1399, 35.1859, 24.7818 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(235, 130, 128)` looks like.

```
.text, #text, p{  
    color:rgb(235, 130, 128)  
}
```

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(235, 130, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 130, 128) }
```

## Border

The CSS property to change the border of an element to XYZ 46.1399, 35.1859, 24.7818 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(235, 130, 128) }
```



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

```
.border{ border-color:rgb(235, 130, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 130, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 130, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 130, 128);  
box-shadow:4px 4px 4px 4px rgb(235, 130,  
128) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.1399, 35.1859, 24.7818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 130, 128) }
```

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

```
.background{ background-color: rgb(235,  
130, 128) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor