

# Converting Colors

XYZ(48.0344, 39.4382, 23.9845)

Have a look what the booklet for  
XYZ(48.0344, 39.4382, 23.9845)  
contains.

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# Color

**XYZ(48.0244, 39.3682,  
24.1364)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EB917C
RGB	235, 145, 124
RGB Percent	92%, 57%, 49%
CMY	0.0784, 0.4313, 0.5137
CMYK	0.00, 0.38, 0.47, 0.08
HSL	11°, 74%, 70%
HSV	11°, 47%, 92%
XYZ	48.0244, 39.3682, 24.1364
YIQ	169.5160, 60.3810, 12.5490

# Conversions

## Conversions Part 2

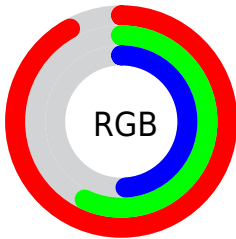
Format	Color
R <sub>Y</sub> B	235, 150, 124
Decimal	15438204
CIE Lab	69.02, 31.79, 25.54
CIE LCh	69, 40.776, 38.781
Yxy	39.3682, 0.4306, 0.3530
Android (android.graphics.Color)	4293628284 (0xFFEB917C)
YUV	169.5160, -22.4394, 57.4295
Hunter-Lab	62.7441, 26.8220, 21.1132

# Details

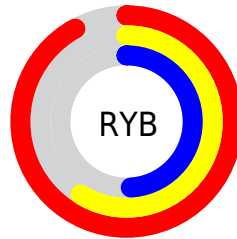
The XYZ color **48.0244, 39.3682, 24.1364** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **47.3528, 58.3735, 87.3684**, and the grayscale version is **38.0556, 40.0375, 43.6008**.

A 20% lighter version of the original color is **69.8301, 65.7429, 50.6042**, and **23.0888, 17.5668, 8.8304** is the 20% darker color. If you saturate the color by 10%, you get **44.0404, 33.5018, 16.3295**, and if you desaturate by 10%, it is **52.8528, 46.3566, 33.9725**.

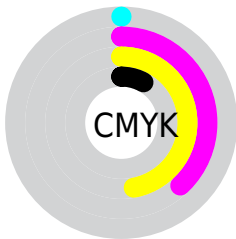
# Distribution



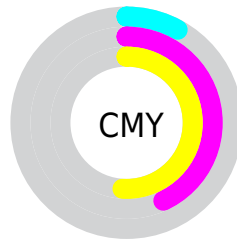
- Red (92%)
- Green (57%)
- Blue (49%)



- Red (92%)
- Yellow (59%)
- Blue (49%)



- Cyan (0%)
- Magenta (38%)
- Yellow (47%)
- Black (8%)




- Cyan (8%)
- Magenta (43%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.0244, 39.3682, 24.1364 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 48.0244, 39.3682, 24.1364 by changing the saturation by 10% instead.





 48.0244, 39.3682,  
24.1364


 48.0244, 39.3682,  
24.1364


369.4698,  
343.4534, 286.8181


 34.0575, 27.0463,  
15.2217


 86.4502, 74.2005,  
51.1993

 23.1009, 17.6080,  
8.8268

 111.6399, 97.4796,  
70.1846

 14.7891, 10.6689,  
4.5331


 141.3012,  
125.1799, 93.3638

 8.7569, 5.8447,  
1.9221

175.7995,  
157.6859, 121.1556

 4.6388, 2.7509,  
0.5068

215.5001,  
195.3818, 153.9783

 2.0695, 1.0031,  
0.0000

260.7685,

 0.6725, 0.0000,

238.6521, 192.2506

0.0000

311.9700,  
287.8811, 236.3910

0.0000, 0.0000,  
0.0000

48.0244, 39.3682,  
24.1364

48.0244, 39.3682,  
24.1364

44.0404, 33.5018,  
16.3295

52.8528, 46.3566,  
33.9725

40.8478, 28.6927,  
10.4067

58.5682, 54.5157,  
45.9643

38.3923, 24.8783,  
6.2074

65.2141, 63.8982,  
60.2309

36.6107, 21.9870,  
3.5427

72.8298, 74.5521,  
76.8818

35.4261, 19.9356,  
2.1675

81.4528, 86.5226,  
96.0194

■ 35.1792, 19.4988,  
1.9095

■ 88.0708, 96.4021,  
108.5734

# Harmonies

## Analogous

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



51.1699, 39.3682, 37.6328



48.0244, 39.3682, 24.1364



42.1236, 39.3682, 17.4180

# Triad

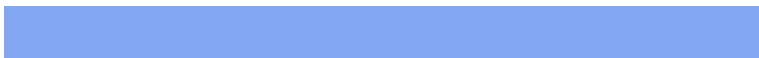
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



48.0244, 39.3682, 24.1364



26.9404, 39.3682, 31.1779



39.3577, 39.3682, 88.8285

# Complementary

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



48.0244, 39.3682, 24.1364



47.3528, 58.3735, 87.3684

# 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.



33.0771, 39.3682, 85.6078



48.0244, 39.3682, 24.1364



26.3817, 39.3682, 48.5616

# Square

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



48.0244, 39.3682, 24.1364



30.1273, 39.3682, 20.5891



28.5014, 39.3682, 69.4021



45.7998, 39.3682, 77.2359



# Rectangle

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



48.0244, 39.3682, 24.1364



37.6846, 39.3682, 16.1253



28.5014, 39.3682, 69.4021



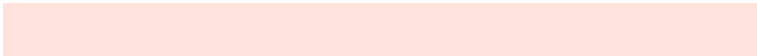
37.1532, 39.3682, 89.4985

# Sweetspot

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



48.0254, 39.3702, 24.1371



81.2773, 80.8134, 78.5399



53.6894, 36.9660, 68.3598



16.9875, 16.7236, 15.9206



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.



48.0254, 39.3702, 24.1371



53.0033, 40.3139, 19.6399



58.5185, 60.3565, 27.6349



15.2961, 15.5152, 15.7073



19.6473, 10.9889, 1.0855



1.6073, 0.9919, 0.1067



# Inverse Universe

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



47.3528, 58.3735, 87.3684



52.0413, 65.7213, 104.5504



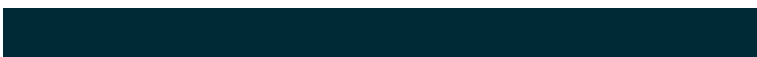
35.7317, 35.1314, 83.4947



15.2613, 16.6091, 19.3238



18.7464, 24.1398, 47.4144



1.5344, 2.0203, 3.7440



# Previews

## White Background



This preview shows how the XYZ color 48.0244, 39.3682, 24.1364 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

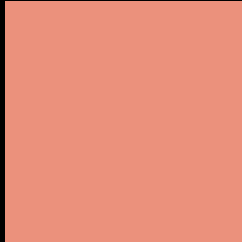
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.0244, 39.3682, 24.1364 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 48.0244, 39.3682, 24.1364

## Background



This preview shows how black text looks on a background with the XYZ color 48.0244, 39.3682, 24.1364.



This preview shows how white text looks on a background with the XYZ color 48.0244, 39.3682,



# 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

48.0244, 39.3682, 24.1364

### Protanopia

37.1515, 39.7089, 28.6282

### Deuteranopia

40.4589, 39.6386, 23.6078



## Tritanopia

50.1174, 39.3213, 34.6541

# Trichromacy



## Original Color

48.0244, 39.3682, 24.1364

## Protanomaly

40.2207, 38.9224, 26.8656

## Deuteranomaly

42.8419, 39.3282, 23.7454

## Tritanomaly

49.1476, 39.1319, 30.5540

# Monochromacy



## Original Color

48.0244, 39.3682, 24.1364

## Achromatopsia

38.2080, 40.1978, 43.7754

## Achromatomaly

40.7428, 39.2590, 35.5674

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.0244, 39.3682, 24.1364 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, 145, 124)` looks like.

```
.text, #text, p{  
    color:rgb(235, 145, 124)  
}
```

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, 145, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 145, 124) }
```

## Border

The CSS property to change the border of an element to XYZ 48.0244, 39.3682, 24.1364 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, 145, 124) }
```



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

```
.border{ border-color:rgb(235, 145, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 145, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 145, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 145, 124);  
box-shadow:4px 4px 4px 4px rgb(235, 145,  
124) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.0244, 39.3682, 24.1364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 145, 124) }
```

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

```
.background{ background-color: rgb(235,  
145, 124) }
```

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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