

# Converting Colors

XYZ(45.9574, 37.4792, 32.6904)

Have a look what the booklet for  
XYZ(45.9574, 37.4792, 32.6904)  
contains.

<b>XYZ(46.0696, 37.4917, 32.8255)</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(46.0696, 37.4917,  
32.8255)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E18E94
RGB	225, 142, 148
RGB Percent	88%, 56%, 58%
CMY	0.1176, 0.4431, 0.4196
CMYK	0.00, 0.37, 0.34, 0.12
HSL	356°, 58%, 72%
HSV	356°, 37%, 88%
XYZ	46.0696, 37.4917, 32.8255
YIQ	167.5010, 47.5420, 19.4620

# Conversions

## Conversions Part 2

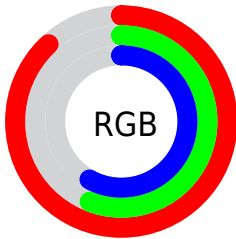
Format	Color
R <sub>Y</sub> B	225, 142, 148
Decimal	14782100
CIE Lab	67.64, 32.23, 10.11
CIE LCh	68, 33.774, 17.416
Yxy	37.4917, 0.3958, 0.3221
Android (android.graphics.Color)	4292972180 (0xFFE18E94)
YUV	167.5010, -9.6140, 50.4266
Hunter-Lab	61.2305, 27.1495, 11.0761

# Details

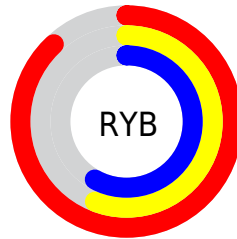
The XYZ color **46.0696, 37.4917, 32.8255** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **50.8684, 64.7164, 76.8317**, and the grayscale version is **37.0052, 38.9324, 42.3974**.

A 20% lighter version of the original color is **71.8669, 65.4568, 64.7237**, and **21.7502, 16.3909, 13.3267** is the 20% darker color. If you saturate the color by 10%, you get **41.5475, 30.8576, 23.8882**, and if you desaturate by 10%, it is **51.5673, 45.5999, 43.5588**.

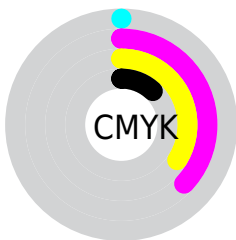
# Distribution



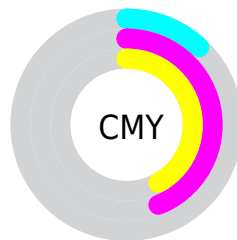
- Red (88%)
- Green (56%)
- Blue (58%)



- Red (88%)
- Yellow (56%)
- Blue (58%)



- Cyan (0%)
- Magenta (37%)
- Yellow (34%)
- Black (12%)



- Cyan (12%)
- Magenta (44%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.0696, 37.4917, 32.8255 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 46.0696, 37.4917, 32.8255 by changing the saturation by 10% instead.



46.0696, 37.4917,  
32.8255

46.0696, 37.4917,  
32.8255

361.7996,  
335.4344, 329.4706

32.5056, 25.5884,  
21.7228

83.5504, 71.3284,  
65.2159

21.9054, 16.5160,  
13.4570

108.1979, 94.0306,  
87.3406

13.9036, 9.8900,  
7.6096

137.2706,  
121.1012, 113.9764

8.1349, 5.3261,  
3.7620

171.1338,  
152.9246, 145.5418

4.2339, 2.4398,  
1.4957

210.1530,  
189.8853, 182.4554

1.8353, 0.8463,  
0.2147

254.6935,

0.5388, 0.0000,

232.3675, 225.1357

0.0000

305.1206,  
280.7558, 274.0012

■ 0.0000, 0.0000,  
0.0000

■ 46.0696, 37.4917,  
32.8255

■ 46.0696, 37.4917,  
32.8255

■ 41.5475, 30.8576,  
23.8882

■ 51.5673, 45.5999,  
43.5588

■ 37.9412, 25.6039,  
16.6467

■ 58.0899, 55.2576,  
56.1765

■ 35.1887, 21.6348,  
10.9943

■ 65.6871, 66.5416,  
70.7638

■ 33.2193, 18.8400,  
6.8114

■ 74.4042, 79.5220,  
87.3999

■ 31.9508, 17.0903,  
3.9611

■ 84.2841, 94.2649,  
106.1598

■ 31.2795, 16.2205,  
2.2799

■ 84.8613, 94.7475,  
108.4232

■ 31.1467, 16.0457,  
1.9557

# Harmonies

## Analogous

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



46.3294, 37.4917, 47.3951



46.0696, 37.4917, 32.8255



42.8498, 37.4917, 23.1370

# Triad

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



46.0696, 37.4917, 32.8255



28.7581, 37.4917, 24.3278



33.4971, 37.4917, 75.6990

# Complementary

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



46.0696, 37.4917, 32.8255



50.8684, 64.7164, 76.8317

# 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.



29.2787, 37.4917, 65.7897



46.0696, 37.4917, 32.8255



26.7272, 37.4917, 34.8868

# Square

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



46.0696, 37.4917, 32.8255



32.7206, 37.4917, 19.1159



26.9080, 37.4917, 50.0221



38.7169, 37.4917, 74.7584



# Rectangle

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



46.0696, 37.4917, 32.8255



39.6207, 37.4917, 19.6542



26.9080, 37.4917, 50.0221



31.9255, 37.4917, 73.4422

# Sweetspot

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



46.0706, 37.4935, 32.8262



82.8349, 81.8266, 85.5395



52.2030, 39.7024, 76.1460



17.4348, 17.0756, 17.7420



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.



46.0706, 37.4935, 32.8262



56.6106, 43.0762, 34.5684



51.5749, 49.2420, 32.3800



13.7472, 13.7165, 14.4390



17.9640, 9.2526, 1.2101



1.2594, 0.6470, 0.1590



# Inverse Universe

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



46.0706, 37.4935, 32.8262



56.6106, 43.0762, 34.5684



43.2514, 48.1963, 78.2573



13.7472, 13.7165, 14.4390



17.9640, 9.2526, 1.2101



1.2594, 0.6470, 0.1590



# Previews

## White Background



This preview shows how the XYZ color 46.0696, 37.4917, 32.8255 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

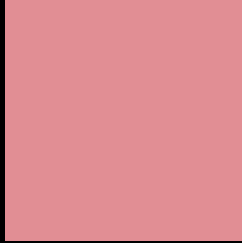
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.0696, 37.4917, 32.8255 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

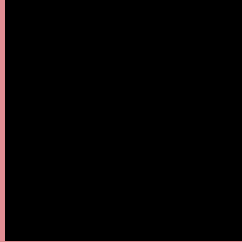
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 46.0696, 37.4917, 32.8255**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.0696, 37.4917, 32.8255.



This preview shows how white text looks on a background with the XYZ color 46.0696, 37.4917,



# 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

46.0696, 37.4917, 32.8255

### Protanopia

35.9828, 37.5240, 38.6041

### Deuteranopia

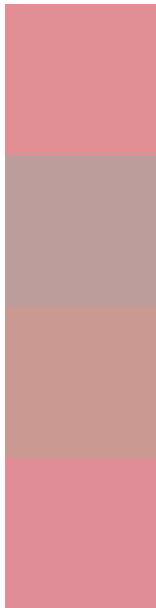
38.2480, 37.5320, 32.0166



## Tritanopia

46.2437, 37.3243, 34.4728

# Trichromacy



## Original Color

46.0696, 37.4917, 32.8255

## Protanomaly

38.8755, 36.9961, 36.5445

## Deuteranomaly

40.6669, 37.2753, 32.2456

## Tritanomaly

46.1621, 37.2917, 34.0432

# Monochromacy



## Original Color

46.0696, 37.4917, 32.8255

## Achromatopsia

37.2190, 39.1572, 42.6422

## Achromatomaly

39.8174, 38.1883, 38.9907

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.0696, 37.4917, 32.8255 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, 142, 148)` looks like.

```
.text, #text, p{  
    color:rgb(225, 142, 148)  
}
```

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, 142, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 142, 148) }
```

## Border

The CSS property to change the border of an element to XYZ 46.0696, 37.4917, 32.8255 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, 142, 148) }
```



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

```
.border{ border-color:rgb(225, 142, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 142, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 142, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 142, 148);  
box-shadow:4px 4px 4px 4px rgb(225, 142,  
148) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.0696, 37.4917, 32.8255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 142, 148) }
```

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

```
.background{ background-color: rgb(225,  
142, 148) }
```

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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