

Converting Colors

XYZ(45.7888, 36.2793, 31.5985)

Have a look what the booklet for
XYZ(45.7888, 36.2793, 31.5985)
contains.

XYZ(45.8125, 36.2975, 31.7857)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(45.8125, 36.2975,
31.7857)**

Conversions

Conversions Part 1

Format	Color
Hex	E38992
RGB	227, 137, 146
RGB Percent	89%, 54%, 57%
CMY	0.1098, 0.4627, 0.4274
CMYK	0.00, 0.40, 0.36, 0.11
HSL	354°, 62%, 71%
HSV	354°, 40%, 89%
XYZ	45.8125, 36.2975, 31.7857
YIQ	164.9360, 50.7510, 21.8790

Conversions

Conversions Part 2

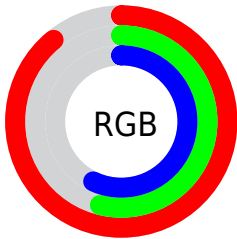
Format	Color
R_{YB}	227, 137, 146
Decimal	14911890
CIE _{Lab}	66.75, 35.36, 9.99
CIE _{LCh}	67, 36.747, 15.778
Yxy	36.2975, 0.4022, 0.3187
Android (android.graphics.Color)	4293101970 (0xFFE38992)
YUV	164.9360, -9.3354, 54.4301
Hunter-Lab	60.2474, 30.2995, 10.8926

Details

The XYZ color **45.8125, 36.2975, 31.7857** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **50.4421, 65.3193, 76.2824**, and the grayscale version is **35.7607, 37.6230, 40.9715**.

A 20% lighter version of the original color is **70.5150, 63.1294, 63.1122**, and **21.7220, 15.7765, 12.9666** is the 20% darker color. If you saturate the color by 10%, you get **41.4686, 29.9300, 23.1849**, and if you desaturate by 10%, it is **51.1211, 44.1398, 42.1101**.

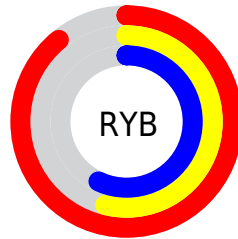
Distribution



Red (89%)

Green (54%)

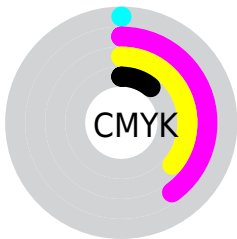
Blue (57%)



Red (89%)

Yellow (54%)

Blue (57%)

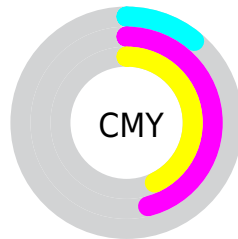


Cyan (0%)

Magenta (40%)

Yellow (36%)

Black (11%)



Cyan (11%)


Magenta (46%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.8125, 36.2975, 31.7857 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 45.8125, 36.2975, 31.7857 by changing the saturation by 10% instead.


 45.8125, 36.2975,
31.7857

 45.8125, 36.2975,
31.7857


360.7829,
330.2590, 324.6045


 32.3019, 24.6640,
20.9344


 83.1679, 69.4910,
63.5690

 21.7489, 15.8269,
12.8853


 107.7434, 91.8198,
85.3381

 13.7880, 9.4018,
7.2198


 136.7379,
118.4826, 111.5835

 8.0541, 5.0042,
3.5194

170.5168,
149.8637, 142.7237

 4.1817, 2.2497,
1.3656

209.4453,
186.3475, 179.1774

 1.8054, 0.7469,
0.1147

253.8890,

 0.5209, 0.0000,

228.3183, 221.3631

0.0000

304.2131,
276.1607, 269.6993

0.0000, 0.0000,
0.0000

45.8125, 36.2975,
31.7857

45.8125, 36.2975,
31.7857

41.4686, 29.9300,
23.1849

51.1211, 44.1398,
42.1101

38.0286, 24.9399,
16.2116

57.4448, 53.5354,
54.2427

35.4290, 21.2268,
10.7635

64.8338, 64.5637,
68.2653

33.5969, 18.6743,
6.7256

73.3341, 77.2972,
84.2539

32.4468, 17.1447,
3.9668

82.9892, 91.8041,
102.2803

■ 31.8461, 16.4119,
2.3219

■ 85.4886, 95.0709,
108.4525

■ 31.8301, 16.3915,
2.2806

Harmonies

Analogous

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



45.9031, 36.2975, 47.5095



45.8125, 36.2975, 31.7857



42.4841, 36.2975, 21.4271

Triad

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



45.8125, 36.2975, 31.7857



27.4081, 36.2975, 21.8195



31.9457, 36.2975, 77.1321

Complementary

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



45.8125, 36.2975, 31.7857



50.4421, 65.3193, 76.2824

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.



27.5841, 36.2975, 65.6964



45.8125, 36.2975, 31.7857



25.1610, 36.2975, 32.4837

Square

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



45.8125, 36.2975, 31.7857



31.6806, 36.2975, 16.8157



25.2217, 36.2975, 48.4211



37.4812, 36.2975, 76.7972

Rectangle

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



45.8125, 36.2975, 31.7857



39.0622, 36.2975, 17.7008



25.2217, 36.2975, 48.4211



30.3071, 36.2975, 74.4273

Sweetspot

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



45.8135, 36.2993, 31.7864



81.9318, 80.3580, 84.1977



51.7253, 38.3446, 77.3481



17.2585, 16.7843, 17.4946



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.



45.8135, 36.2993, 31.7864



54.6709, 39.9650, 31.5536



51.1386, 48.0257, 30.2438



14.4352, 14.3913, 15.2263



18.5829, 9.5674, 1.4327



1.3932, 0.7150, 0.2110

Inverse Universe

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



45.8135, 36.2993, 31.7864



54.6709, 39.9650, 31.5536



42.8140, 48.1276, 79.7061



14.4352, 14.3913, 15.2263



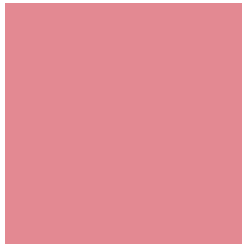
18.5829, 9.5674, 1.4327



1.3932, 0.7150, 0.2110

Previews

White Background



This preview shows how the XYZ color 45.8125, 36.2975, 31.7857 looks on a white background.

Color Contrast Check

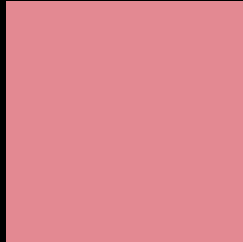
Large Text (above 18pt) WCAG AA × Fail

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 45.8125, 36.2975, 31.7857 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 45.8125, 36.2975, 31.7857

Background



This preview shows how black text looks on a background with the XYZ color 45.8125, 36.2975, 31.7857.



This preview shows how white text looks on a background with the XYZ color 45.8125, 36.2975,

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

45.8125, 36.2975, 31.7857

Protanopia

34.9914, 36.4857, 38.4559

Deuteranopia

37.2646, 36.5362, 31.0747



Tritanopia

45.8907, 36.3288, 32.1972

Trichromacy



Original Color

45.8125, 36.2975, 31.7857

Protanomaly

38.0467, 35.8404, 35.9230

Deuteranomaly

40.0278, 36.2438, 31.2716

Tritanomaly

45.8907, 36.3288, 32.1972

Monochromacy



Original Color

45.8125, 36.2975, 31.7857

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

38.6319, 36.6027, 37.3767

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8125, 36.2975, 31.7857 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(227, 137, 146)` looks like.

```
.text, #text, p{  
    color:rgb(227, 137, 146)  
}
```

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(227, 137, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 137, 146) }
```

Border

The CSS property to change the border of an element to XYZ 45.8125, 36.2975, 31.7857 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(227, 137, 146) }
```


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

```
.border{ border-color:rgb(227, 137, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 137, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 137, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 137, 146);  
box-shadow:4px 4px 4px 4px rgb(227, 137,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8125, 36.2975, 31.7857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 137, 146) }
```

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

```
.background{ background-color: rgb(227,  
137, 146) }
```

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