

Converting Colors

XYZ(49.0003, 38.0057, 33.0276)

Have a look what the booklet for
XYZ(49.0003, 38.0057, 33.0276)
contains.

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Color

**XYZ(48.9625, 37.8941,
33.1675)**

Conversions

Conversions Part 1

Format	Color
Hex	EC8995
RGB	236, 137, 149
RGB Percent	93%, 54%, 58%
CMY	0.0745, 0.4627, 0.4157
CMYK	0.00, 0.42, 0.37, 0.07
HSL	353°, 72%, 73%
HSV	353°, 42%, 93%
XYZ	48.9625, 37.8941, 33.1675
YIQ	167.9690, 55.1520, 24.7200

Conversions

Conversions Part 2

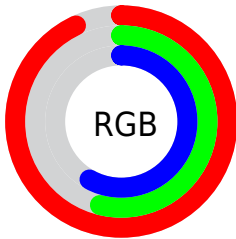
Format	Color
R _Y B	236, 137, 149
Decimal	15501717
CIE Lab	67.94, 38.99, 10.16
CIE LCh	68, 40.296, 14.602
Yxy	37.8941, 0.4079, 0.3157
Android (android.graphics.Color)	4293691797 (0xFFEC8995)
YUV	167.9690, -9.3517, 59.6632
Hunter-Lab	61.5582, 34.2495, 11.1453

Details

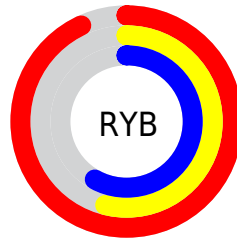
The XYZ color **48.9625, 37.8941, 33.1675** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **53.7683, 70.6918, 81.3358**, and the grayscale version is **37.2307, 39.1696, 42.6557**.

A 20% lighter version of the original color is **70.8691, 63.2711, 64.9772**, and **23.5846, 16.7260, 13.5407** is the 20% darker color. If you saturate the color by 10%, you get **44.4561, 31.2994, 24.2104**, and if you desaturate by 10%, it is **54.4995, 46.0778, 43.9236**.

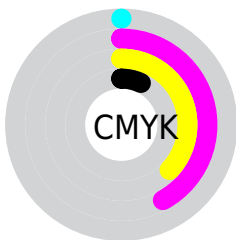
Distribution



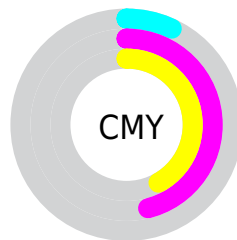
- Red (93%)
- Green (54%)
- Blue (58%)



- Red (93%)
- Yellow (54%)
- Blue (58%)



- Cyan (0%)
- Magenta (42%)
- Yellow (37%)
- Black (7%)




- Cyan (7%)
- Magenta (46%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.9625, 37.8941, 33.1675 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 48.9625, 37.8941, 33.1675 by changing the saturation by 10% instead.


 48.9625, 37.8941,
33.1675


 48.9625, 37.8941,
33.1675


373.1141,
337.1655, 331.0589


 34.8041, 25.9005,
21.9826


 87.8368, 71.9458,
65.7560

 23.6779, 16.7492,
13.6459

 113.2835, 94.7727,
87.9966

 15.2183, 10.0559,
7.7389


 143.2236,
121.9795, 114.7597

 9.0600, 5.4360,
3.8430

178.0226,
153.9505, 146.4636

 4.8378, 2.5053,
1.5396

218.0458,
191.0703, 183.5269

 2.1862, 0.8793,
0.2472

263.6585,

 0.7354, 0.0000,

233.7231, 226.3682

0.0000

315.2262,
282.2933, 275.4061

■ 0.0000, 0.0000,
0.0000

■ 48.9625, 37.8941,
33.1675

■ 48.9625, 37.8941,
33.1675

■ 44.4561, 31.2994,
24.2104

■ 54.4995, 46.0778,
43.9236

■ 40.9132, 26.1851,
16.9517

■ 61.1225, 55.9385,
56.5676

■ 38.2636, 22.4380,
11.2839

■ 68.8865, 67.5646,
71.1850

■ 36.4262, 19.9259,
7.0865

■ 77.8421, 81.0366,
87.8553

■ 35.3044, 18.4906,
4.2212

■ 88.0344, 96.4258,
106.6532

■ 34.8088, 17.9196,
2.7605

■ 88.4020, 96.5728,
108.5889

Harmonies

Analogous

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



48.9094, 37.8941, 51.1046



48.9625, 37.8941, 33.1675



45.2827, 37.8941, 21.4833

Triad

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



48.9625, 37.8941, 33.1675



28.2109, 37.8941, 21.2648



32.9155, 37.8941, 84.2043

Complementary

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



48.9625, 37.8941, 33.1675



53.7683, 70.6918, 81.3358

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.



28.1105, 37.8941, 70.4994



48.9625, 37.8941, 33.1675



25.6165, 37.8941, 32.7690

Square

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



48.9625, 37.8941, 33.1675



33.0679, 37.8941, 16.0882



25.5820, 37.8941, 50.5726



39.1369, 37.8941, 84.4040

Rectangle

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



48.9625, 37.8941, 33.1675



41.4291, 37.8941, 17.3012



25.5820, 37.8941, 50.5726



31.0984, 37.8941, 80.8802

Sweetspot

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



48.9635, 37.8960, 33.1682



81.0306, 78.9066, 82.8153



54.4569, 39.6056, 84.1312



16.8864, 16.2033, 16.8674



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.



48.9635, 37.8960, 33.1682



53.8481, 38.5498, 30.5689



54.1098, 49.6431, 30.3996



15.1397, 15.0837, 16.0210



19.2120, 9.8875, 1.6518



1.5328, 0.7861, 0.2573

Inverse Universe

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



48.9635, 37.8960, 33.1682



53.8481, 38.5498, 30.5689



46.0433, 52.5458, 87.0724



15.1397, 15.0837, 16.0210



19.2120, 9.8875, 1.6518



1.5328, 0.7861, 0.2573

Previews

White Background



This preview shows how the XYZ color 48.9625, 37.8941, 33.1675 looks on a white background.

Color Contrast Check

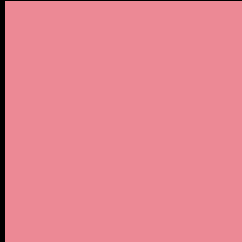
Large Text (above 18pt) WCAG AA × Fail

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 48.9625, 37.8941, 33.1675 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 48.9625, 37.8941, 33.1675

Background



This preview shows how black text looks on a background with the XYZ color 48.9625, 37.8941, 33.1675.



This preview shows how white text looks on a background with the XYZ color 48.9625, 37.8941,

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

48.9625, 37.8941, 33.1675

Protanopia

36.5182, 38.0256, 40.5369

Deuteranopia

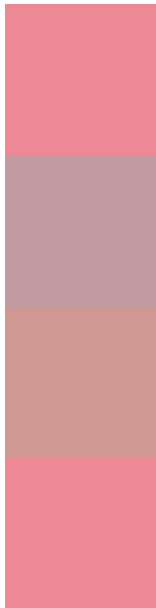
38.9168, 38.1331, 32.0973



Tritanopia

48.8042, 37.8308, 32.3336

Trichromacy



Original Color

48.9625, 37.8941, 33.1675

Protanomaly

39.9717, 37.2833, 37.8906

Deuteranomaly

42.1487, 37.7972, 32.2682

Tritanomaly

48.8830, 37.8623, 32.7487

Monochromacy



Original Color

48.9625, 37.8941, 33.1675

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

40.4823, 38.0246, 38.9240

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9625, 37.8941, 33.1675 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(236, 137, 149)` looks like.

```
.text, #text, p{  
    color:rgb(236, 137, 149)  
}
```

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(236, 137, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 137, 149) }
```

Border

The CSS property to change the border of an element to XYZ 48.9625, 37.8941, 33.1675 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(236, 137, 149) }
```


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

```
.border{ border-color:rgb(236, 137, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 137, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 137, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 137, 149);  
box-shadow:4px 4px 4px 4px rgb(236, 137,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9625, 37.8941, 33.1675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 137, 149) }
```

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

```
.background{ background-color: rgb(236,  
137, 149) }
```

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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