

Converting Colors

XYZ(48.9111, 32.2866, 36.9117)

Have a look what the booklet for
XYZ(48.9111, 32.2866, 36.9117)
contains.

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Color

**XYZ(48.9111, 32.2866,
36.9117)**

Conversions

Conversions Part 1

Format	Color
Hex	F46BA0
RGB	244, 107, 160
RGB Percent	96%, 42%, 63%
CMY	0.0431, 0.5804, 0.3725
CMYK	0.00, 0.56, 0.34, 0.04
HSL	337°, 86%, 69%
HSV	337°, 56%, 96%
XYZ	48.9111, 32.2866, 36.9117
YIQ	154.0050, 64.6390, 45.5270

Conversions

Conversions Part 2

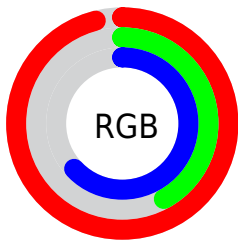
Format	Color
R _Y B	244, 107, 160
Decimal	16018336
CIE Lab	63.58, 57.66, -2.25
CIE LCh	64, 57.706, 357.767
Yxy	32.2866, 0.4141, 0.2734
Android (android.graphics.Color)	4294208416 (0xFFFF46BA0)
YUV	154.0050, 2.9555, 78.9256
Hunter-Lab	56.8213, 54.2134, 1.2595

Details

The XYZ color **48.9111, 32.2866, 36.9117** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **47.8199, 71.5896, 60.5924**, and the grayscale version is **30.6862, 32.2843, 35.1576**.

A 20% lighter version of the original color is **66.6029, 52.3607, 70.8862**, and **23.6681, 13.5757, 15.8409** is the 20% darker color. If you saturate the color by 10%, you get **45.4855, 27.4054, 29.6963**, and if you desaturate by 10%, it is **53.2136, 38.6692, 45.1971**.

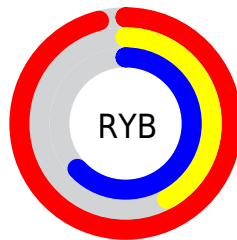
Distribution



Red (96%)

Green (42%)

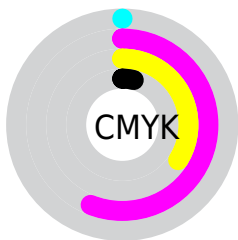
Blue (63%)



Red (96%)

Yellow (42%)

Blue (63%)

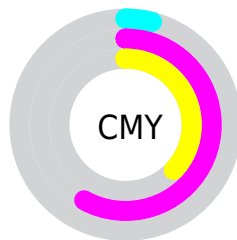


Cyan (0%)

Magenta (56%)

Yellow (34%)

Black (4%)



Cyan (4%)


Magenta (58%)


Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.9111, 32.2866, 36.9117 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 48.9111, 32.2866, 36.9117 by changing the saturation by 10% instead.


 48.9111, 32.2866,
36.9117


 48.9111, 32.2866,
36.9117


372.9150,
312.4227, 348.0852


 34.7632, 21.5805,
24.8439


 87.7609, 63.2601,
71.6218


 23.6462, 13.5490,
15.7428


 113.1936, 84.2963,
95.1011

 15.1947, 7.8077,
9.1900


 143.1185,
109.5447, 123.2213

 9.0433, 3.9721,
4.7668

 177.9011,
139.3896, 156.4010

 4.8268, 1.6580,
2.0548

217.9067,
174.2155, 195.0587

 2.1797, 0.3962,
0.5886

263.5006,

 0.7320, 0.0000,

214.4067, 239.6130

0.0000

315.0483,
260.3477, 290.4823

■ 0.0000, 0.0000,
0.0000

■ 48.9111, 32.2866,
36.9117

■ 48.9111, 32.2866,
36.9117

■ 45.4855, 27.4054,
29.6963

■ 53.2136, 38.6692,
45.1971

■ 42.8663, 23.8940,
23.4992

■ 58.4504, 46.6600,
54.5969

■ 40.9760, 21.6067,
18.2657

■ 64.6771, 56.3619,
65.1547

■ 39.7181, 20.3604,
13.9326

■ 71.9438, 67.8676,
76.9112

■ 39.3460, 20.0482,
12.4767

■ 80.2974, 81.2632,
89.9047

89.7816, 96.6292,
104.1718

91.1183, 97.9731,
108.7160

Harmonies

Analogous

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



45.7413, 32.2866, 64.5171



48.9111, 32.2866, 36.9117



46.5334, 32.2866, 18.2747

Triad

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



48.9111, 32.2866, 36.9117



24.0228, 32.2866, 8.7004



23.1457, 32.2866, 87.6063

Complementary

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



48.9111, 32.2866, 36.9117



47.8199, 71.5896, 60.5924

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.



18.9217, 32.2866, 60.1324



48.9111, 32.2866, 36.9117



19.3623, 32.2866, 16.4066

Square

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



48.9111, 32.2866, 36.9117



31.2950, 32.2866, 6.8497



17.6671, 32.2866, 33.4542



30.0878, 32.2866, 100.7141

Rectangle

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



48.9111, 32.2866, 36.9117



42.3193, 32.2866, 11.4782



17.6671, 32.2866, 33.4542



21.4100, 32.2866, 79.2855

Sweetspot

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



48.9120, 32.2883, 36.9123



78.7579, 73.7969, 83.7974



42.6244, 27.8936, 88.7254



16.4955, 15.2201, 17.3580



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.



48.9120, 32.2883, 36.9123



49.9463, 29.8337, 32.0815



46.7644, 33.8985, 17.9905



16.7645, 16.5886, 18.5063



21.4561, 10.9259, 7.1104



1.9345, 0.9798, 0.8814

Inverse Universe

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



48.9120, 32.2883, 36.9123



49.9463, 29.8337, 32.0815



50.7741, 66.4192, 95.7321



16.7645, 16.5886, 18.5063



21.4561, 10.9259, 7.1104



1.9345, 0.9798, 0.8814

Previews

White Background



This preview shows how the XYZ color 48.9111, 32.2866, 36.9117 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 48.9111, 32.2866, 36.9117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

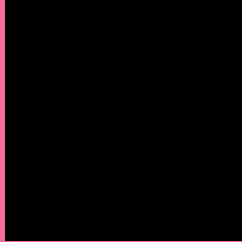
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.9111, 32.2866, 36.9117

Background



This preview shows how black text looks on a background with the XYZ color 48.9111, 32.2866, 36.9117.



This preview shows how white text looks on a background with the XYZ color 48.9111, 32.2866, 36.9117.

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

48.9111, 32.2866, 36.9117

Protanopia

32.4306, 32.5676, 52.7210

Deuteranopia

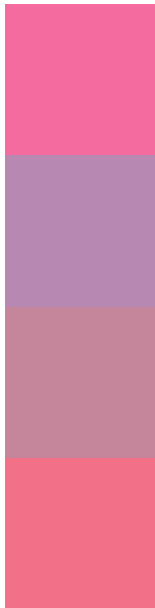
33.0748, 32.3408, 34.6362



Tritanopia

45.9192, 32.3674, 22.2397

Trichromacy



Original Color

48.9111, 32.2866, 36.9117

Protanomaly

36.1314, 30.7678, 46.1539

Deuteranomaly

37.5518, 31.3208, 35.5188

Tritanomaly

46.8561, 32.2432, 27.0465

Monochromacy



Original Color

48.9111, 32.2866, 36.9117

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

35.4399, 30.8564, 35.5405

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9111, 32.2866, 36.9117 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(244, 107, 160)` looks like.

```
.text, #text, p{  
    color:rgb(244, 107, 160)  
}
```

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(244, 107, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 107, 160) }
```

Border

The CSS property to change the border of an element to XYZ 48.9111, 32.2866, 36.9117 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(244, 107, 160) }
```


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

```
.border{ border-color:rgb(244, 107, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 107, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 107, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 107, 160);  
box-shadow:4px 4px 4px 4px rgb(244, 107,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9111, 32.2866, 36.9117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 107, 160) }
```

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

```
.background{ background-color: rgb(244,  
107, 160) }
```

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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