

Converting Colors

XYZ(48.3157, 32.0484, 33.7764)

Have a look what the booklet for
XYZ(48.3157, 32.0484, 33.7764)
contains.

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Color

**XYZ(48.3157, 32.0484,
33.7764)**

Conversions

Conversions Part 1

Format	Color
Hex	F46B99
RGB	244, 107, 153
RGB Percent	96%, 42%, 60%
CMY	0.0431, 0.5804, 0.4000
CMYK	0.00, 0.56, 0.37, 0.04
HSL	340°, 86%, 69%
HSV	340°, 56%, 96%
XYZ	48.3157, 32.0484, 33.7764
YIQ	153.2070, 66.8860, 43.3500

Conversions

Conversions Part 2

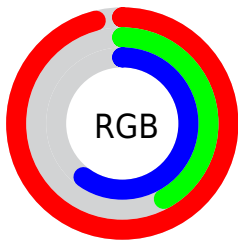
Format	Color
R_{YB}	244, 107, 153
Decimal	16018329
CIE _{Lab}	63.38, 56.88, 1.48
CIE _{LCh}	63, 56.895, 1.489
Yxy	32.0484, 0.4233, 0.2808
Android (android.graphics.Color)	4294208409 (0xFFFF46B99)
YUV	153.2070, -0.1021, 79.6255
Hunter-Lab	56.6113, 53.2735, 4.2533

Details

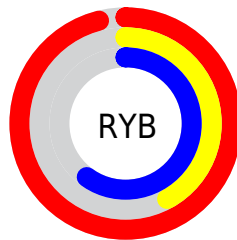
The XYZ color **48.3157, 32.0484, 33.7764** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **48.6089, 71.9052, 64.7476**, and the grayscale version is **30.3496, 31.9301, 34.7719**.

A 20% lighter version of the original color is **65.5997, 51.9594, 65.6032**, and **23.3060, 13.4309, 13.9344** is the 20% darker color. If you saturate the color by 10%, you get **44.8721, 27.1600, 26.4663**, and if you desaturate by 10%, it is **52.6605, 38.4479, 42.2846**.

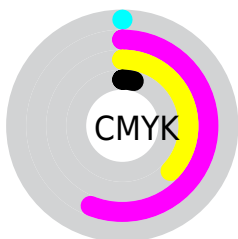
Distribution



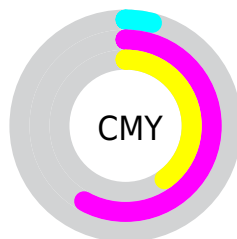
- Red (96%)
- Green (42%)
- Blue (60%)



- Red (96%)
- Yellow (42%)
- Blue (60%)



- Cyan (0%)
- Magenta (56%)
- Yellow (37%)
- Black (4%)





- Cyan (4%)
- Magenta (58%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.3157, 32.0484, 33.7764 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 48.3157, 32.0484, 33.7764 by changing the saturation by 10% instead.


 48.3157, 32.0484,
33.7764


 48.3157, 32.0484,
33.7764


370.6039,
311.3397, 333.8725


 34.2893, 21.3985,
22.4459


 86.8811, 62.8870,
66.7157


 23.2798, 13.4156,
13.9835


 112.1508, 83.8444,
89.1616

 14.9221, 7.7153,
7.9705


 141.8989,
109.0064, 116.1497

 8.8507, 3.9133,
3.9886

 176.4909,
138.7575, 148.0986

 4.7003, 1.6252,
1.6191

216.2920,
173.4819, 185.4268

 2.1054, 0.3745,
0.3044

261.6676,

 0.6922, 0.0000,

213.5642, 228.5528

0.0000

312.9832,
259.3886, 277.8952

■ 0.0000, 0.0000,
0.0000

■ 48.3157, 32.0484,
33.7764

■ 48.3157, 32.0484,
33.7764

■ 44.8721, 27.1600,
26.4663

■ 52.6605, 38.4479,
42.2846

■ 42.2575, 23.6505,
20.2936

■ 57.9655, 46.4660,
52.0437

■ 40.3926, 21.3733,
15.1937

■ 64.2878, 56.2062,
63.1051

■ 39.1788, 20.1447,
11.0924

■ 71.6789, 67.7616,
75.5166

■ 38.8281, 19.8411,
9.7497

■ 80.1869, 81.2190,
89.3235

89.8569, 96.6593,
104.5688

91.1182, 97.9731,
108.7160

Harmonies

Analogous

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



45.8593, 32.0484, 60.0612



48.3157, 32.0484, 33.7764



45.3425, 32.0484, 16.7428

Triad

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



48.3157, 32.0484, 33.7764



23.1935, 32.0484, 9.3864



23.7685, 32.0484, 88.8044

Complementary

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



48.3157, 32.0484, 33.7764



48.6089, 71.9052, 64.7476

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.



19.2541, 32.0484, 62.9190



48.3157, 32.0484, 33.7764



18.9647, 32.0484, 17.9724

Square

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



48.3157, 32.0484, 33.7764



30.0678, 32.0484, 6.9662



17.6562, 32.0484, 36.0386



30.8577, 32.0484, 98.9797

Rectangle

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



48.3157, 32.0484, 33.7764



40.9358, 32.0484, 10.7187



17.6562, 32.0484, 36.0386



21.9455, 32.0484, 81.2246

Sweetspot

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



48.3166, 32.0501, 33.7770



78.4516, 73.6744, 82.1841



44.3663, 28.7915, 88.8069



16.4236, 15.1913, 16.9792



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.



48.3166, 32.0501, 33.7770



49.2677, 29.5623, 28.5081



47.6240, 35.6178, 18.2770



16.7286, 16.5743, 18.3176



21.1694, 10.8112, 5.6002



1.9065, 0.9686, 0.7339

Inverse Universe

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



48.3166, 32.0501, 33.7770



49.2677, 29.5623, 28.5081



48.9019, 62.6747, 95.1080



16.7286, 16.5743, 18.3176



21.1694, 10.8112, 5.6002



1.9065, 0.9686, 0.7339

Previews

White Background



This preview shows how the XYZ color 48.3157, 32.0484, 33.7764 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 48.3157, 32.0484, 33.7764 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 48.3157, 32.0484, 33.7764

Background



This preview shows how black text looks on a background with the XYZ color 48.3157, 32.0484, 33.7764.



This preview shows how white text looks on a background with the XYZ color 48.3157, 32.0484,

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

48.3157, 32.0484, 33.7764

Protanopia

31.9445, 32.4146, 48.2890

Deuteranopia

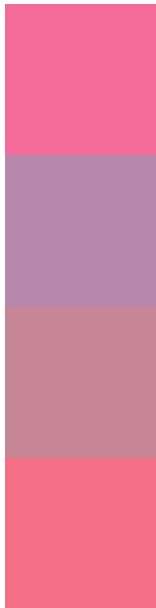
32.7303, 32.2281, 31.6897



Tritanopia

45.9743, 32.0680, 21.8558

Trichromacy



Original Color

48.3157, 32.0484, 33.7764

Protanomaly

35.6833, 30.6159, 42.5568

Deuteranomaly

37.2386, 31.2259, 32.4983

Tritanomaly

46.8802, 32.1170, 25.9186

Monochromacy



Original Color

48.3157, 32.0484, 33.7764

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

34.8036, 30.3473, 34.1603

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3157, 32.0484, 33.7764 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, 153)` looks like.

```
.text, #text, p{  
    color:rgb(244, 107, 153)  
}
```

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, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 107, 153) }
```

Border

The CSS property to change the border of an element to XYZ 48.3157, 32.0484, 33.7764 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, 153) }
```


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

```
.border{ border-color:rgb(244, 107, 153) }
```

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, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 107, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 107, 153);  
box-shadow:4px 4px 4px 4px rgb(244, 107,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3157, 32.0484, 33.7764 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, 153) }
```

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

```
.background{ background-color: rgb(244,  
107, 153) }
```

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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