

Converting Colors

XYZ(46.8403, 33.7321, 29.9103)

Have a look what the booklet for
XYZ(46.8403, 33.7321, 29.9103)
contains.

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Color

**XYZ(46.7203, 33.6624,
30.0217)**

Conversions

Conversions Part 1

Format	Color
Hex	ED798F
RGB	237, 121, 143
RGB Percent	93%, 47%, 56%
CMY	0.0706, 0.5255, 0.4392
CMYK	0.00, 0.49, 0.40, 0.07
HSL	349°, 76%, 70%
HSV	349°, 49%, 93%
XYZ	46.7203, 33.6624, 30.0217
YIQ	158.1920, 62.0740, 31.4340

Conversions

Conversions Part 2

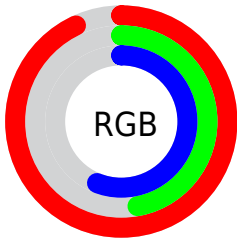
Format	Color
RYB	237, 121, 143
Decimal	15563151
CIELab	64.69, 46.78, 8.95
CIELCh	65, 47.633, 10.835
Yxy	33.6624, 0.4232, 0.3049
Android (android.graphics.Color)	4293753231 (0xFFED798F)
YUV	158.1920, -7.4897, 69.1146
Hunter-Lab	58.0193, 42.2041, 9.9343

Details

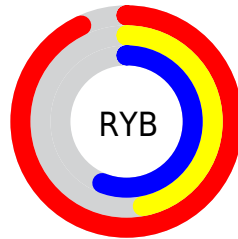
The XYZ color **46.7203, 33.6624, 30.0217** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **50.4367, 69.5403, 75.0582**, and the grayscale version is **32.6007, 34.2985, 37.3510**.

A 20% lighter version of the original color is **66.8434, 56.3419, 60.1754**, and **22.4030, 14.3895, 11.9526** is the 20% darker color. If you saturate the color by 10%, you get **42.8532, 28.0608, 22.1585**, and if you desaturate by 10%, it is **51.5457, 40.7818, 39.4339**.

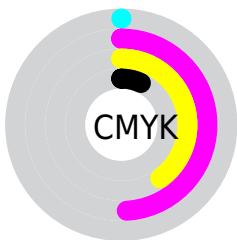
Distribution



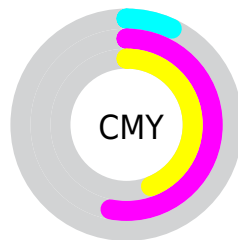
- Red (93%)
- Green (47%)
- Blue (56%)



- Red (93%)
- Yellow (47%)
- Blue (56%)



- Cyan (0%)
- Magenta (49%)
- Yellow (40%)
- Black (7%)




- Cyan (7%)
- Magenta (53%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.7203, 33.6624, 30.0217 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 46.7203, 33.6624, 30.0217 by changing the saturation by 10% instead.


 46.7203, 33.6624,
30.0217


 46.7203, 33.6624,
30.0217


364.3646,
318.6241, 316.2160


 33.0216, 22.6344,
19.6029


 84.5173, 65.4083,
60.7579

 22.3023, 14.3238,
11.9255


 109.3462, 86.8950,
81.9124

 14.1971, 8.3462,
6.5710


 138.6160,
112.6367, 107.4824

 8.3405, 4.3173,
3.1210

172.6920,
143.0178, 137.8867

 4.3672, 1.8526,
1.1567

211.9395,
178.4227, 173.5436

 1.9119, 0.5196,
0.0000

256.7238,

 0.5837, 0.0000,

219.2358, 214.8718

0.0000

307.4104,
265.8414, 262.2898

■ 0.0000, 0.0000,
0.0000

■ 46.7203, 33.6624,
30.0217

■ 46.7203, 33.6624,
30.0217

■ 42.8532, 28.0608,
22.1585

■ 51.5457, 40.7818,
39.4339

■ 39.8763, 23.8612,
15.7580

■ 57.3858, 49.5134,
50.4711

■ 37.7165, 20.9397,
10.7281

■ 64.2960, 59.9499,
63.2065

■ 36.2876, 19.1479,
6.9649

■ 72.3265, 72.1754,
77.7082

■ 35.4647, 18.2639,
4.3423

■ 81.5247, 86.2685,
94.0404

■ 35.3975, 18.1935,
4.1225

■ 88.7350, 96.7445,
108.6045

Harmonies

Analogous

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



46.0870, 33.6624, 50.4530



46.7203, 33.6624, 30.0217



43.0068, 33.6624, 17.1360

Triad

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



46.7203, 33.6624, 30.0217



24.1465, 33.6624, 14.9105



27.8707, 33.6624, 84.9522

Complementary

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



46.7203, 33.6624, 30.0217



50.4367, 69.5403, 75.0582

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.



23.0445, 33.6624, 67.1909



46.7203, 33.6624, 30.0217



21.1155, 33.6624, 25.6306

Square

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



46.7203, 33.6624, 30.0217



29.5872, 33.6624, 10.7172



20.7431, 33.6624, 44.1944



34.5302, 33.6624, 87.4554

Rectangle

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



46.7203, 33.6624, 30.0217



38.8382, 33.6624, 12.6277



20.7431, 33.6624, 44.1944



26.0071, 33.6624, 80.3336

Sweetspot

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



46.7212, 33.6641, 30.0223



79.4434, 76.1389, 81.0321



49.7978, 34.0571, 84.0696



16.5879, 15.6642, 16.5895



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.



46.7212, 33.6641, 30.0223



50.4849, 32.9673, 25.9209



50.2323, 43.0966, 23.7623



15.1822, 15.1007, 16.2445



19.3613, 9.9472, 2.4380



1.5529, 0.7941, 0.3630

Inverse Universe

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



46.7212, 33.6641, 30.0223



50.4849, 32.9673, 25.9209



44.3401, 52.5157, 87.9202



15.1822, 15.1007, 16.2445



19.3613, 9.9472, 2.4380



1.5529, 0.7941, 0.3630

Previews

White Background



This preview shows how the XYZ color 46.7203, 33.6624, 30.0217 looks on a white background.

Color Contrast Check

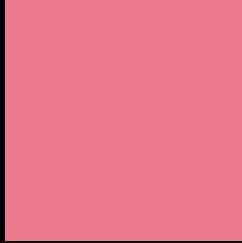
Large Text (above 18pt) WCAG AA × Fail

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 46.7203, 33.6624, 30.0217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

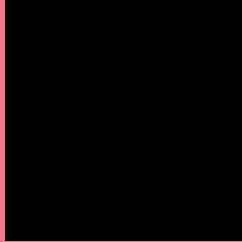
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.7203, 33.6624, 30.0217

Background



This preview shows how black text looks on a background with the XYZ color 46.7203, 33.6624, 30.0217.



This preview shows how white text looks on a background with the XYZ color 46.7203, 33.6624,

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

46.7203, 33.6624, 30.0217

Protanopia

32.9659, 34.1292, 39.5004

Deuteranopia

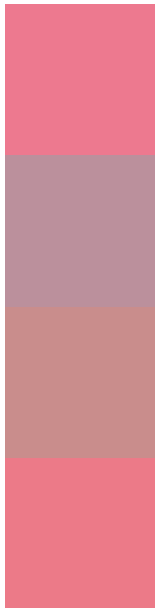
34.6381, 33.9947, 28.7808



Tritanopia

45.8399, 33.6647, 25.9117

Trichromacy



Original Color

46.7203, 33.6624, 30.0217

Protanomaly

36.4675, 32.9116, 35.8830

Deuteranomaly

38.3459, 33.3607, 29.2292

Tritanomaly

45.9955, 33.5295, 27.3402

Monochromacy



Original Color

46.7203, 33.6624, 30.0217

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

36.3687, 33.1155, 34.6121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7203, 33.6624, 30.0217 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(237, 121, 143)` looks like.

```
.text, #text, p{  
    color:rgb(237, 121, 143)  
}
```

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(237, 121, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 121, 143) }
```

Border

The CSS property to change the border of an element to XYZ 46.7203, 33.6624, 30.0217 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(237, 121, 143) }
```


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

```
.border{ border-color:rgb(237, 121, 143) }
```

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

Here you see how a box with a 4 pixel rgb(237, 121, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 121, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 121, 143);  
box-shadow:4px 4px 4px 4px rgb(237, 121,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7203, 33.6624, 30.0217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 121, 143) }
```

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

```
.background{ background-color: rgb(237,  
121, 143) }
```

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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