

Converting Colors

XYZ(47.6983, 33.7416, 34.8723)

Have a look what the booklet for
XYZ(47.6983, 33.7416, 34.8723)
contains.

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Color

**XYZ(47.7731, 33.7374,
35.0044)**

Conversions

Conversions Part 1

Format	Color
Hex	EE779B
RGB	238, 119, 155
RGB Percent	93%, 47%, 61%
CMY	0.0667, 0.5333, 0.3922
CMYK	0.00, 0.50, 0.35, 0.07
HSL	342°, 78%, 70%
HSV	342°, 50%, 93%
XYZ	47.7731, 33.7374, 35.0044
YIQ	158.6850, 59.3680, 36.4240

Conversions

Conversions Part 2

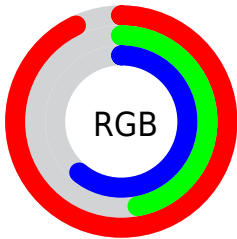
Format	Color
R _Y B	238, 119, 155
Decimal	15628187
CIE Lab	64.75, 49.47, 2.22
CIE LCh	65, 49.518, 2.570
Yxy	33.7374, 0.4100, 0.2896
Android (android.graphics.Color)	4293818267 (0xFFEE779B)
YUV	158.6850, -1.8167, 69.5593
Hunter-Lab	58.0839, 45.1666, 4.9275

Details

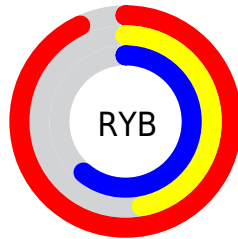
The XYZ color **47.7731, 33.7374, 35.0044** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **48.8447, 69.3360, 66.6899**, and the grayscale version is **32.8010, 34.5092, 37.5805**.

A 20% lighter version of the original color is **67.8847, 56.1356, 67.5789**, and **22.9794, 14.3638, 14.6580** is the 20% darker color. If you saturate the color by 10%, you get **43.9872, 28.2455, 27.3304**, and if you desaturate by 10%, it is **52.4616, 40.7275, 43.9256**.

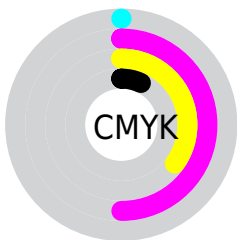
Distribution



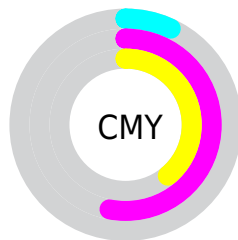
- Red (93%)
- Green (47%)
- Blue (61%)



- Red (93%)
- Yellow (47%)
- Blue (61%)



- Cyan (0%)
- Magenta (50%)
- Yellow (35%)
- Black (7%)





- Cyan (7%)
- Magenta (53%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.7731, 33.7374, 35.0044 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 47.7731, 33.7374, 35.0044 by changing the saturation by 10% instead.


 47.7731, 33.7374,
35.0044


 47.7731, 33.7374,
35.0044


368.4896,
318.9595, 339.4926


 33.8577, 22.6919,
23.3827


 86.0782, 65.5251,
68.6442

 22.9467, 14.3662,
14.6684


 111.1987, 87.0361,
91.4994

 14.6746, 8.3758,
8.4430


 140.7849,
112.8044, 118.9362

 8.6762, 4.3363,
4.2879

175.2022,
143.2145, 151.3731

 4.5860, 1.8634,
1.7846

214.8160,
178.6506, 189.2286

 2.0387, 0.5263,
0.4177

259.9916,

 0.6556, 0.0000,

219.4972, 232.9214

0.0000

311.0943,
266.1387, 282.8698

■ 0.0000, 0.0000,
0.0000

■ 47.7731, 33.7374,
35.0044

■ 47.7731, 33.7374,
35.0044

■ 43.9872, 28.2455,
27.3304

■ 52.4616, 40.7275,
43.9256

■ 41.0395, 24.1358,
20.8428

■ 58.1057, 49.3105,
54.1469

■ 38.8608, 21.2831,
15.4779


■ 64.7574, 59.5790,
65.7200


■ 37.3688, 19.5370,
11.1643


■ 72.4640, 71.6173,
78.6936

■ 36.4295, 18.6451,
7.8091

■ 81.2699, 85.5038,
93.1133

 36.4293, 18.6449,
7.8082

 89.0065, 96.8918,
108.2863

 89.0699, 96.9171,
108.6201

Harmonies

Analogous

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



45.8116, 33.7374, 57.9089



47.7731, 33.7374, 35.0044



45.0375, 33.7374, 19.4166

Triad

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



47.7731, 33.7374, 35.0044



25.2488, 33.7374, 12.6150



26.1662, 33.7374, 83.6591

Complementary

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



47.7731, 33.7374, 35.0044



48.8447, 69.3360, 66.6899

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.



21.8607, 33.7374, 62.1315



47.7731, 33.7374, 35.0044



21.3887, 33.7374, 21.4758

Square

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



47.7731, 33.7374, 35.0044



31.4565, 33.7374, 9.8436



20.2457, 33.7374, 38.5203



32.6841, 33.7374, 91.4480

Rectangle

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



47.7731, 33.7374, 35.0044



41.1241, 33.7374, 13.5729



20.2457, 33.7374, 38.5203



24.4470, 33.7374, 77.4761

Sweetspot

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



47.7740, 33.7391, 35.0050



80.0365, 76.3762, 84.1556



45.9350, 31.6918, 84.5849



16.7293, 15.7208, 17.3340



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.



47.7740, 33.7391, 35.0050



51.3589, 32.9097, 31.7787



48.0888, 38.5067, 22.3531



15.9696, 15.8375, 17.3961



20.3740, 10.4220, 4.6200



1.7374, 0.8840, 0.6081

Inverse Universe

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



47.7740, 33.7391, 35.0050



51.3589, 32.9097, 31.7787



47.6445, 59.3019, 89.8241



15.9696, 15.8375, 17.3961



20.3740, 10.4220, 4.6200



1.7374, 0.8840, 0.6081

Previews

White Background



This preview shows how the XYZ color 47.7731, 33.7374, 35.0044 looks on a white background.

Color Contrast Check

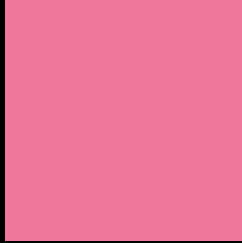
Large Text (above 18pt) WCAG AA × Fail

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 47.7731, 33.7374, 35.0044 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 47.7731, 33.7374, 35.0044

Background



This preview shows how black text looks on a background with the XYZ color 47.7731, 33.7374, 35.0044.



This preview shows how white text looks on a background with the XYZ color 47.7731, 33.7374,

35.0044.

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

47.7731, 33.7374, 35.0044

Protanopia

33.1507, 33.8213, 46.3759

Deuteranopia

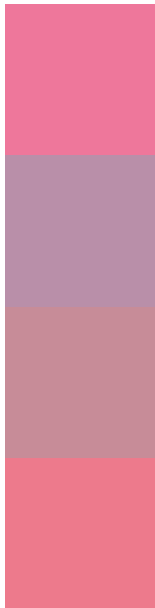
34.6378, 33.8886, 33.5697



Tritanopia

45.8399, 33.6647, 25.9117

Trichromacy



Original Color

47.7731, 33.7374, 35.0044

Protanomaly

36.9915, 32.8238, 41.9221

Deuteranomaly

38.5988, 33.1653, 34.0729

Tritanomaly

46.6182, 33.8170, 28.8812

Monochromacy



Original Color

47.7731, 33.7374, 35.0044

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

36.8839, 33.1065, 36.7940

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7731, 33.7374, 35.0044 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(238, 119, 155)` looks like.

```
.text, #text, p{  
    color:rgb(238, 119, 155)  
}
```

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(238, 119, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 119, 155) }
```

Border

The CSS property to change the border of an element to XYZ 47.7731, 33.7374, 35.0044 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(238, 119, 155) }
```


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

```
.border{ border-color:rgb(238, 119, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 119, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 119, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 119, 155);  
box-shadow:4px 4px 4px 4px rgb(238, 119,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7731, 33.7374, 35.0044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 119, 155) }
```

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

```
.background{ background-color: rgb(238,  
119, 155) }
```

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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