

Converting Colors

XYZ(47.8291, 34.4582, 34.7022)

Have a look what the booklet for
XYZ(47.8291, 34.4582, 34.7022)
contains.

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Color

**XYZ(47.8407, 34.5035,
34.7102)**

Conversions

Conversions Part 1

Format	Color
Hex	ED7B9A
RGB	237, 123, 154
RGB Percent	93%, 48%, 60%
CMY	0.0706, 0.5176, 0.3961
CMYK	0.00, 0.48, 0.35, 0.07
HSL	344°, 76%, 71%
HSV	344°, 48%, 93%
XYZ	47.8407, 34.5035, 34.7102
YIQ	160.6200, 57.9930, 33.8090

Conversions

Conversions Part 2

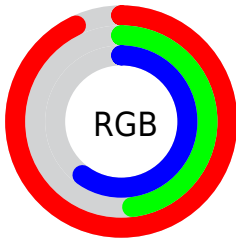
Format	Color
R _Y B	237, 123, 154
Decimal	15563674
CIE Lab	65.36, 47.04, 3.65
CIE LCh	65, 47.182, 4.439
Yxy	34.5035, 0.4087, 0.2948
Android (android.graphics.Color)	4293753754 (0xFFED7B9A)
YUV	160.6200, -3.2637, 66.9853
Hunter-Lab	58.7397, 42.5854, 6.0824

Details

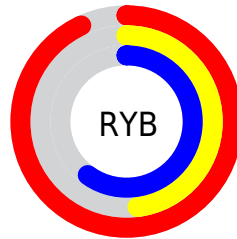
The XYZ color **47.8407, 34.5035, 34.7102** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **49.5948, 69.2363, 69.1463**, and the grayscale version is **33.6968, 35.4517, 38.6069**.

A 20% lighter version of the original color is **68.5456, 57.6549, 67.1903**, and **22.9984, 14.8246, 14.4812** is the 20% darker color. If you saturate the color by 10%, you get **43.9131, 28.7853, 26.8126**, and if you desaturate by 10%, it is **52.6884, 41.7310, 43.9345**.

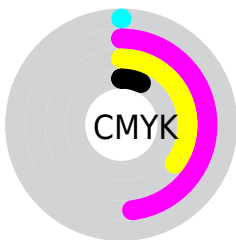
Distribution



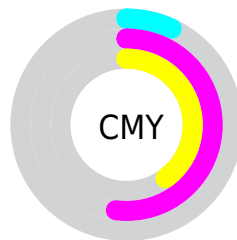
- Red (93%)
- Green (48%)
- Blue (60%)



- Red (93%)
- Yellow (48%)
- Blue (60%)



- Cyan (0%)
- Magenta (48%)
- Yellow (35%)
- Black (7%)





- Cyan (7%)
- Magenta (52%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.8407, 34.5035, 34.7102 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 47.8407, 34.5035, 34.7102 by changing the saturation by 10% instead.


 47.8407, 34.5035,
34.7102


 47.8407, 34.5035,
34.7102


368.7535,
322.3713, 338.1526


 33.9115, 23.2807,
23.1580


 86.1783, 66.7159,
68.1830

 22.9882, 14.8009,
14.5038


 111.3174, 88.4742,
90.9407

 14.7054, 8.6798,
8.3292


 140.9238,
114.5132, 118.2707

 8.6979, 4.5329,
4.2155

175.3630,
145.2172, 150.5913

 4.6002, 1.9759,
1.7443

215.0001,
180.9706, 188.3213

 2.0470, 0.5934,
0.3908

260.2007,

 0.6601, 0.0000,

222.1579, 231.8792

0.0000

311.3300,
269.1633, 281.6834

■ 0.0000, 0.0000,
0.0000

■ 47.8407, 34.5035,
34.7102

■ 47.8407, 34.5035,
34.7102

■ 43.9131, 28.7853,
26.8126

■ 52.6884, 41.7310,
43.9345

■ 40.8417, 24.4631,
20.1762

■ 58.5087, 50.5597,
54.5427

■ 38.5587, 21.4161,
14.7324

■ 65.3531, 61.0807,
66.5909

■ 36.9840, 19.5004,
10.4041

■ 73.2690, 73.3762,
80.1312

■ 36.0088, 18.5163,
7.1003

■ 82.3006, 87.5236,
95.2134

■ 35.8630, 18.3797,
6.5737

■ 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.



46.2435, 34.5035, 56.4135



47.8407, 34.5035, 34.7102



44.9672, 34.5035, 19.9495

Triad

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



47.8407, 34.5035, 34.7102



25.8640, 34.5035, 14.1749



27.4085, 34.5035, 83.1929

Complementary

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



47.8407, 34.5035, 34.7102



49.5948, 69.2363, 69.1463

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, 34.5035, 63.3431



47.8407, 34.5035, 34.7102



22.2442, 34.5035, 23.4709

Square

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



47.8407, 34.5035, 34.7102



31.7807, 34.5035, 11.0311



21.2887, 34.5035, 40.5794



33.8297, 34.5035, 89.4540

Rectangle

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



47.8407, 34.5035, 34.7102



41.1106, 34.5035, 14.3985



21.2887, 34.5035, 40.5794



25.6832, 34.5035, 77.6144

Sweetspot

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



47.8416, 34.5052, 34.7108



80.7936, 77.7372, 84.8801



47.4645, 33.2188, 84.0309



16.8720, 15.9861, 17.4435



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.



47.8416, 34.5052, 34.7108



51.7992, 33.9127, 31.5484



49.0443, 40.5222, 23.9778



15.2337, 15.1213, 16.5160



19.6270, 10.0535, 3.8369



1.5804, 0.8051, 0.5078

Inverse Universe

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



47.8416, 34.5052, 34.7108



51.7992, 33.9127, 31.5484



47.0743, 57.5637, 88.7506



15.2337, 15.1213, 16.5160



19.6270, 10.0535, 3.8369



1.5804, 0.8051, 0.5078

Previews

White Background



This preview shows how the XYZ color 47.8407, 34.5035, 34.7102 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 47.8407, 34.5035, 34.7102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

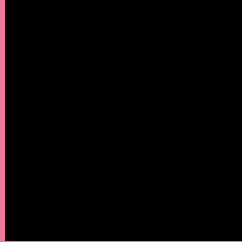
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.8407, 34.5035, 34.7102

Background



This preview shows how black text looks on a background with the XYZ color 47.8407, 34.5035, 34.7102.



This preview shows how white text looks on a background with the XYZ color 47.8407, 34.5035,

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

47.8407, 34.5035, 34.7102

Protanopia

33.7715, 34.6778, 44.9579

Deuteranopia

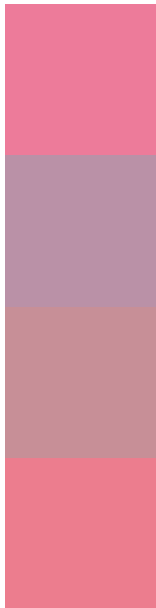
35.3405, 34.7461, 33.2778



Tritanopia

46.0950, 34.3331, 27.1192

Trichromacy



Original Color

47.8407, 34.5035, 34.7102

Protanomaly

37.3502, 33.4799, 41.0529

Deuteranomaly

38.9616, 34.0214, 33.7914

Tritanomaly

46.8082, 34.4531, 29.7742

Monochromacy



Original Color

47.8407, 34.5035, 34.7102

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

37.5915, 34.1549, 36.9590

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8407, 34.5035, 34.7102 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, 123, 154)` looks like.

```
.text, #text, p{  
    color:rgb(237, 123, 154)  
}
```

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, 123, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 123, 154) }
```

Border

The CSS property to change the border of an element to XYZ 47.8407, 34.5035, 34.7102 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, 123, 154) }
```


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

```
.border{ border-color:rgb(237, 123, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 123, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 123, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 123, 154);  
box-shadow:4px 4px 4px 4px rgb(237, 123,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8407, 34.5035, 34.7102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 123, 154) }
```

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

```
.background{ background-color: rgb(237,  
123, 154) }
```

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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