

Converting Colors

$Y_{xy}(37.0156, 0.4505, 0.3170)$

Have a look what the booklet for
Yxy(37.0156, 0.4505, 0.3170)
contains.

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Color

Yxy(36.9283, 0.4502, 0.3162)

Conversions

Conversions Part 1

Format	Color
Hex	FF7A87
RGB	255, 122, 135
RGB Percent	100%, 48%, 53%
CMY	0.0000, 0.5216, 0.4706
CMYK	0.00, 0.52, 0.47, 0.00
HSL	354°, 100%, 74%
HSV	354°, 52%, 100%
XYZ	52.5779, 36.9283, 27.2816
YIQ	163.2490, 75.0950, 32.2390

Conversions

Conversions Part 2

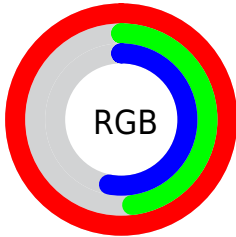
Format	Color
R _Y B	255, 122, 135
Decimal	16743047
CIE Lab	67.22, 51.73, 17.40
CIE LCh	67, 54.576, 18.594
Yxy	36.9283, 0.4502, 0.3162
Android (android.graphics.Color)	4294933127 (0xFFFF7A87)
YUV	163.2490, -13.9268, 80.4656
Hunter-Lab	60.7687, 48.0955, 15.9203

Details

The Yxy color **36.9283, 0.4502, 0.3162** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **82.0670, 0.2507, 0.3440**, and the grayscale version is **36.7880, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.7316, 0.3721, 0.3187**, and **16.1555, 0.4926, 0.3069** is the 20% darker color. If you saturate the color by 10%, you get **30.8861, 0.4937, 0.3151**, and if you desaturate by 10%, it is **44.7504, 0.4119, 0.3183**.

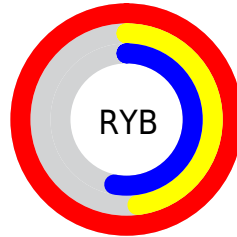
Distribution



Red (100%)

Green (48%)

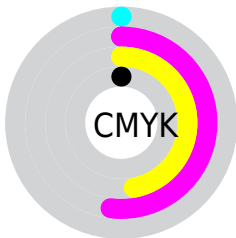
Blue (53%)



Red (100%)

Yellow (48%)

Blue (53%)

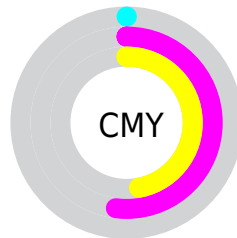


Cyan (0%)

Magenta (52%)

Yellow (47%)

Black (0%)



Cyan (0%)


Magenta (52%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.9283, 0.4502, 0.3162 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 Yxy color 36.9283, 0.4502, 0.3162 by changing the saturation by 10% instead.


 36.9283, 0.4502,
0.3162


 36.9283, 0.4502,
0.3162


333.0000, 0.3783,
0.3256

 25.1520, 0.4688,
0.3129


 70.4625, 0.4235,
0.3203

 16.1903, 0.4930,
0.3080


 92.9892, 0.4136,
0.3217

 9.6589, 0.5255,
0.3004


 119.8681, 0.4054,
0.3227

 5.1734, 0.5708,
0.2880

151.4836, 0.3983,
0.3235

 2.3494, 0.6371,
0.2657

188.2202, 0.3923,
0.3242

 0.7997, 0.7689,
0.2311

230.4622, 0.3870,

 0.0000, 1.0000,

0.3248

0.0000

278.5940, 0.3824,
0.3252

■ 0.0000, 0.0000,
0.0000

■ 36.9283, 0.4502,
0.3162

■ 36.9283, 0.4502,
0.3162

■ 30.8861, 0.4937,
0.3151

■ 44.7504, 0.4119,
0.3183

■ 26.4869, 0.5395,
0.3155

■ 54.4817, 0.3799,
0.3208

■ 23.5680, 0.5821,
0.3177

■ 66.2350, 0.3538,
0.3234

■ 21.9344, 0.6150,
0.3218

■ 80.1155, 0.3327,
0.3260

■ 21.3300, 0.6314,
0.3252

■ 96.2211, 0.3159,
0.3285

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



36.9283, 0.3800, 0.2635



36.9283, 0.4502, 0.3162



36.9283, 0.4756, 0.3753

Triad

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



36.9283, 0.4502, 0.3162



36.9283, 0.3121, 0.4723



36.9283, 0.1851, 0.2135

Complementary

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



36.9283, 0.4502, 0.3162



82.0670, 0.2507, 0.3440

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.



36.9283, 0.1727, 0.2498



36.9283, 0.4502, 0.3162



36.9283, 0.2393, 0.4087

Square

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



36.9283, 0.4502, 0.3162



36.9283, 0.3892, 0.4754



36.9283, 0.1903, 0.3194



36.9283, 0.2265, 0.2067

Rectangle

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



36.9283, 0.4502, 0.3162



36.9283, 0.4636, 0.4147



36.9283, 0.1903, 0.3194



36.9283, 0.1778, 0.2220

Sweetspot

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



36.9270, 0.4502, 0.3162



74.5265, 0.3403, 0.3250



39.9616, 0.3068, 0.1992



15.3391, 0.3446, 0.3245



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.9270, 0.4502, 0.3162



30.4551, 0.4975, 0.3151



53.4014, 0.4323, 0.3840



18.0159, 0.3279, 0.3267



11.1549, 0.6292, 0.3240



1.0953, 0.6082, 0.3124

Inverse Universe

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



36.9270, 0.4502, 0.3162



30.4551, 0.4975, 0.3151



53.5032, 0.2321, 0.2634



18.0159, 0.3279, 0.3267



11.1549, 0.6292, 0.3240



1.0953, 0.6082, 0.3124

Previews

White Background



This preview shows how the Yxy color 36.9283, 0.4502, 0.3162 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 Yxy color 36.9283, 0.4502, 0.3162 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](#).

Yxy 36.9283, 0.4502, 0.3162

Background



This preview shows how black text looks on a background with the Yxy color 36.9283, 0.4502, 0.3162.



This preview shows how white text looks on a background with the Yxy color 36.9283, 0.4502, 0.3162.

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

36.9283, 0.4502, 0.3162

Protanopia

37.0297, 0.3247, 0.3390

Deuteranopia

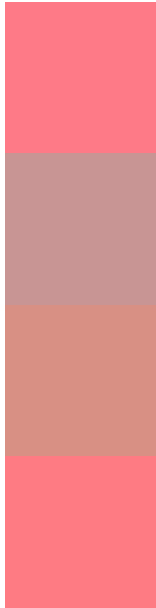
36.9054, 0.3755, 0.3670



Tritanopia

37.0646, 0.4544, 0.3213

Trichromacy



Original Color

36.9283, 0.4502, 0.3162

Protanomaly

35.5973, 0.3676, 0.3292

Deuteranomaly

36.0323, 0.4035, 0.3453

Tritanomaly

37.0919, 0.4533, 0.3203

Monochromacy



Original Color

36.9283, 0.4502, 0.3162

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

35.2155, 0.3581, 0.3225

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9283, 0.4502, 0.3162 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(255, 122, 135)` looks like.

```
.text, #text, p{  
  color:rgb(255, 122, 135)  
}
```

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(255, 122, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 122, 135) }
```

Border

The CSS property to change the border of an element to Yxy 36.9283, 0.4502, 0.3162 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(255, 122, 135) }
```

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

```
.border{ border-color:rgb(255, 122, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 122, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 122, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 122, 135);  
box-shadow:4px 4px 4px 4px rgb(255, 122,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9283, 0.4502, 0.3162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 122, 135) }
```

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

```
.background{ background-color: rgb(255,  
122, 135) }
```

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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