

Converting Colors

$Y_{xy}(34.0759, 0.4686, 0.3379)$

Have a look what the booklet for
Yxy(34.0759, 0.4686, 0.3379)
contains.

Yxy(34.0153, 0.4696, 0.3377)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.0153, 0.4696, 0.3377)

Conversions

Conversions Part 1

Format	Color
Hex	F57870
RGB	245, 120, 112
RGB Percent	96%, 47%, 44%
CMY	0.0392, 0.5294, 0.5607
CMYK	0.00, 0.51, 0.54, 0.04
HSL	4°, 87%, 70%
HSV	4°, 54%, 96%
XYZ	47.3011, 34.0153, 19.4100
YIQ	156.4630, 77.0680, 24.0120

Conversions

Conversions Part 2

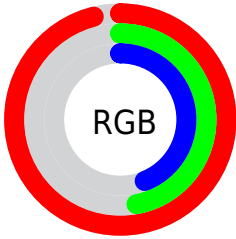
Format	Color
R _Y B	245, 121, 112
Decimal	16087152
CIE Lab	64.97, 47.20, 27.05
CIE LCh	65, 54.403, 29.817
Yxy	34.0153, 0.4696, 0.3377
Android (android.graphics.Color)	4294277232 (0xFFFF57870)
YUV	156.4630, -21.9203, 77.6469
Hunter-Lab	58.3226, 42.7033, 21.0939

Details

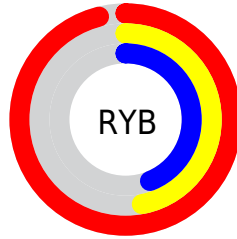
The Yxy color **34.0153, 0.4696, 0.3377** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **70.6317, 0.2416, 0.3192**, and the grayscale version is **33.5391, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.6003, 0.3950, 0.3408**, and **14.5748, 0.5189, 0.3332** is the 20% darker color. If you saturate the color by 10%, you get **28.6539, 0.5157, 0.3384**, and if you desaturate by 10%, it is **40.8610, 0.4278, 0.3364**.

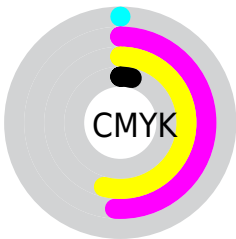
Distribution



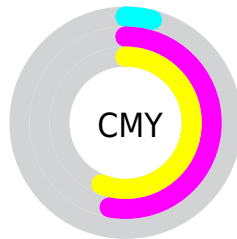
- Red (96%)
- Green (47%)
- Blue (44%)



- Red (96%)
- Yellow (47%)
- Blue (44%)



- Cyan (0%)
- Magenta (51%)
- Yellow (54%)
- Black (4%)





- Cyan (4%)
- Magenta (53%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.0153, 0.4696, 0.3377 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 34.0153, 0.4696, 0.3377 by changing the saturation by 10% instead.


 34.0153, 0.4696,
0.3377


 34.0153, 0.4696,
0.3377


320.2003, 0.3867,
0.3377

 22.9054, 0.4911,
0.3360


 65.9575, 0.4387,
0.3389

 14.5236, 0.5190,
0.3327


 87.5585, 0.4273,
0.3390

 8.4858, 0.5559,
0.3262


 113.4253, 0.4178,
0.3389

 4.4073, 0.6063,
0.3135

 143.9423, 0.4097,
0.3388

 1.9039, 0.7021,
0.2979

179.4939, 0.4027,
0.3385

 0.5507, 0.7825,
0.2175

220.4645, 0.3967,

 0.0000, 1.0000,

0.3383

0.0000

267.2385, 0.3914,
0.3380

■ 0.0000, 0.0000,
0.0000

■ 34.0153, 0.4696,
0.3377

■ 34.0153, 0.4696,
0.3377

■ 28.6539, 0.5157,
0.3384

■ 40.8610, 0.4278,
0.3364

■ 24.6619, 0.5619,
0.3380

■ 49.2839, 0.3922,
0.3347

■ 21.9164, 0.6016,
0.3364


■ 59.3760, 0.3628,
0.3330

■ 20.2702, 0.6281,
0.3337

■ 71.2203, 0.3390,
0.3313

■ 19.7469, 0.6369,
0.3325

■ 84.8946, 0.3197,
0.3297

 98.1542, 0.3066,
0.3290

Harmonies

Analogous

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



34.0153, 0.4122, 0.2808



34.0153, 0.4696, 0.3377



34.0153, 0.4750, 0.3985

Triad

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



34.0153, 0.4696, 0.3377



34.0153, 0.2822, 0.4583



34.0153, 0.1948, 0.2053

Complementary

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



34.0153, 0.4696, 0.3377



70.6317, 0.2416, 0.3192

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.



34.0153, 0.1712, 0.2301



34.0153, 0.4696, 0.3377



34.0153, 0.2152, 0.3764

Square

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



34.0153, 0.4696, 0.3377



34.0153, 0.3619, 0.4850



34.0153, 0.1773, 0.2884



34.0153, 0.2478, 0.2084

Rectangle

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



34.0153, 0.4696, 0.3377



34.0153, 0.4510, 0.4374



34.0153, 0.1773, 0.2884



34.0153, 0.1837, 0.2102

Sweetspot

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



34.0171, 0.4696, 0.3377



75.5681, 0.3428, 0.3316



37.2032, 0.3250, 0.2051



15.5829, 0.3475, 0.3319



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.



34.0171, 0.4696, 0.3377



30.9438, 0.5198, 0.3384



55.3530, 0.4253, 0.4061



16.6418, 0.3292, 0.3305



10.7008, 0.6358, 0.3334



0.9954, 0.6252, 0.3418

Inverse Universe

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



70.6317, 0.2416, 0.3192



74.7018, 0.2328, 0.3169



39.4955, 0.2237, 0.2331



18.5777, 0.2981, 0.3275



34.2095, 0.2195, 0.3102



3.0574, 0.2202, 0.3127

Previews

White Background



This preview shows how the Yxy color 34.0153, 0.4696, 0.3377 looks on a white background.

Color Contrast Check

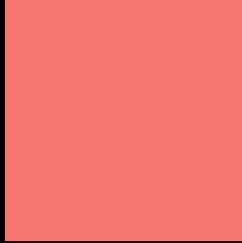
Large Text (above 18pt) WCAG AA × Fail

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 34.0153, 0.4696, 0.3377 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

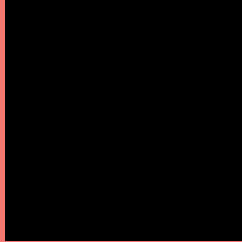
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.0153, 0.4696, 0.3377

Background



This preview shows how black text looks on a background with the Yxy color 34.0153, 0.4696, 0.3377.



This preview shows how white text looks on a background with the Yxy color 34.0153, 0.4696, 0.3377.

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

34.0153, 0.4696, 0.3377

Protanopia

34.2542, 0.3489, 0.3721

Deuteranopia

34.0136, 0.3973, 0.3893



Tritanopia

34.0561, 0.4549, 0.3211

Trichromacy



Original Color

34.0153, 0.4696, 0.3377

Protanomaly

32.9787, 0.3909, 0.3575

Deuteranomaly

33.4156, 0.4235, 0.3683

Tritanomaly

34.1670, 0.4604, 0.3274

Monochromacy



Original Color

34.0153, 0.4696, 0.3377

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

32.2297, 0.3650, 0.3333

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0153, 0.4696, 0.3377 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(245, 120, 112)` looks like.

```
.text, #text, p{  
    color:rgb(245, 120, 112)  
}
```

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(245, 120, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 120, 112) }
```

Border

The CSS property to change the border of an element to Yxy 34.0153, 0.4696, 0.3377 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(245, 120, 112) }
```

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

```
.border{ border-color:rgb(245, 120, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 120, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 120, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 120, 112);  
box-shadow:4px 4px 4px 4px rgb(245, 120,  
112) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 34.0153, 0.4696, 0.3377$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 120, 112) }
```

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

```
.background{ background-color: rgb(245,  
120, 112) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor