

Converting Colors

$Y_{xy}(34.6340, 0.4371, 0.3195)$

Have a look what the booklet for
Yxy(34.6340, 0.4371, 0.3195)
contains.

Yxy(34.6340, 0.4371, 0.3195)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(34.6340, 0.4371, 0.3195)

Conversions

Conversions Part 1

Format	Color
Hex	F07C85
RGB	240, 124, 133
RGB Percent	94%, 49%, 52%
CMY	0.0588, 0.5138, 0.4784
CMYK	0.00, 0.48, 0.45, 0.06
HSL	355°, 79%, 71%
HSV	355°, 48%, 94%
XYZ	47.3819, 34.6340, 26.3847
YIQ	159.7100, 66.2470, 27.3910

Conversions

Conversions Part 2

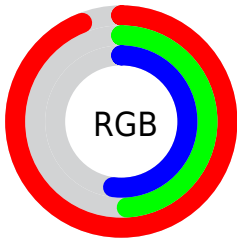
Format	Color
R _Y B	240, 124, 133
Decimal	15760517
CIE Lab	65.46, 45.32, 15.76
CIE LCh	65, 47.987, 19.178
Yxy	34.6340, 0.4371, 0.3195
Android (android.graphics.Color)	4293950597 (0xFFFF07C85)
YUV	159.7100, -13.1680, 70.4143
Hunter-Lab	58.8507, 40.7255, 14.6138

Details

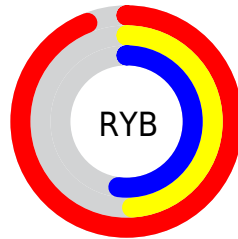
The Yxy color **34.6340, 0.4371, 0.3195** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **72.3840, 0.2530, 0.3398**, and the grayscale version is **35.0530, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.0454, 0.3736, 0.3218**, and **14.8499, 0.4765, 0.3121** is the 20% darker color. If you saturate the color by 10%, you get **28.7861, 0.4795, 0.3183**, and if you desaturate by 10%, it is **42.0781, 0.4005, 0.3213**.

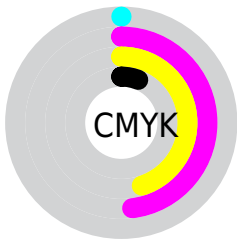
Distribution



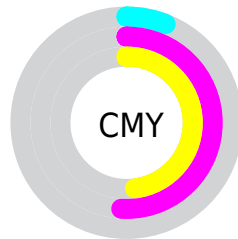
- Red (94%)
- Green (49%)
- Blue (52%)



- Red (94%)
- Yellow (49%)
- Blue (52%)



- Cyan (0%)
- Magenta (48%)
- Yellow (45%)
- Black (6%)





- Cyan (6%)
- Magenta (51%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.6340, 0.4371, 0.3195 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 34.6340, 0.4371, 0.3195 by changing the saturation by 10% instead.


 34.6340, 0.4371,
0.3195


 34.6340, 0.4371,
0.3195


322.9499, 0.3713,
0.3268


 23.3811, 0.4545,
0.3168


 66.9184, 0.4124,
0.3228

 14.8751, 0.4773,
0.3127


 88.7186, 0.4034,
0.3238

 8.7318, 0.5084,
0.3062


 114.8035, 0.3958,
0.3246

 4.5667, 0.5527,
0.2951

145.5572, 0.3894,
0.3253

 1.9953, 0.6203,
0.2748

181.3644, 0.3839,
0.3258

 0.6048, 0.7670,
0.2330

222.6093, 0.3792,

 0.0000, 1.0000,

0.3262


0.0000


269.6763, 0.3750,
0.3265

 0.0000, 0.0000,
0.0000


 34.6340, 0.4371,
0.3195


 34.6340, 0.4371,
0.3195


 28.7861, 0.4795,
0.3183


 42.0781, 0.4005,
0.3213


 24.4128, 0.5256,
0.3182


 51.2178, 0.3703,
0.3233

 21.3838, 0.5704,
0.3195

 62.1504, 0.3458,
0.3254


 19.5436, 0.6073,
0.3224

 74.9648, 0.3261,
0.3274

 18.6741, 0.6308,
0.3260

 89.7435, 0.3103,
0.3293

 18.5742, 0.6335,
0.3263

 97.2683, 0.3036,
0.3290

Harmonies

Analogous

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



34.6340, 0.3749, 0.2703



34.6340, 0.4371, 0.3195



34.6340, 0.4597, 0.3742

Triad

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



34.6340, 0.4371, 0.3195



34.6340, 0.3121, 0.4556



34.6340, 0.1965, 0.2236

Complementary

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



34.6340, 0.4371, 0.3195



72.3840, 0.2530, 0.3398

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.



34.6340, 0.1846, 0.2572



34.6340, 0.4371, 0.3195



34.6340, 0.2458, 0.3985

Square

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



34.6340, 0.4371, 0.3195



34.6340, 0.3823, 0.4616



34.6340, 0.2009, 0.3199



34.6340, 0.2355, 0.2172

Rectangle

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



34.6340, 0.4371, 0.3195



34.6340, 0.4493, 0.4100



34.6340, 0.2009, 0.3199



34.6340, 0.1895, 0.2315

Sweetspot

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



34.6358, 0.4371, 0.3195



75.9097, 0.3388, 0.3261



37.5865, 0.3093, 0.2088



15.6098, 0.3432, 0.3256



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.



34.6358, 0.4371, 0.3195



33.1187, 0.4788, 0.3184



49.6166, 0.4191, 0.3823



15.7788, 0.3281, 0.3272



10.1735, 0.6316, 0.3253



0.8532, 0.6113, 0.3141

Inverse Universe

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



34.6358, 0.4371, 0.3195



33.1187, 0.4788, 0.3184



48.1330, 0.2373, 0.2668



15.7788, 0.3281, 0.3272



10.1735, 0.6316, 0.3253



0.8532, 0.6113, 0.3141

Previews

White Background



This preview shows how the Yxy color 34.6340, 0.4371, 0.3195 looks on a white background.

Color Contrast Check

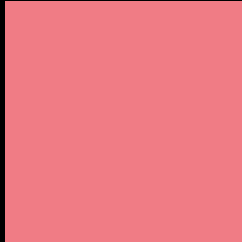
Large Text (above 18pt) WCAG AA × Fail

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 34.6340, 0.4371, 0.3195 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 34.6340, 0.4371, 0.3195

Background



This preview shows how black text looks on a background with the Yxy color 34.6340, 0.4371, 0.3195.



This preview shows how white text looks on a background with the Yxy color 34.6340, 0.4371, 0.3195.

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

34.6340, 0.4371, 0.3195

Protanopia

34.9232, 0.3249, 0.3408

Deuteranopia

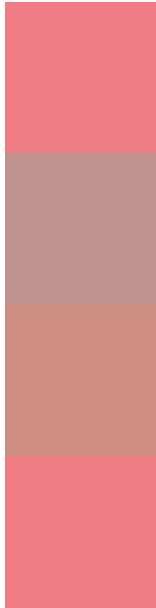
34.7801, 0.3718, 0.3639



Tritanopia

34.6340, 0.4371, 0.3195

Trichromacy



Original Color

34.6340, 0.4371, 0.3195

Protanomaly

33.7779, 0.3640, 0.3319

Deuteranomaly

34.0795, 0.3960, 0.3447

Tritanomaly

34.6340, 0.4371, 0.3195

Monochromacy



Original Color

34.6340, 0.4371, 0.3195

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

33.8883, 0.3542, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6340, 0.4371, 0.3195 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(240, 124, 133)` looks like.

```
.text, #text, p{  
    color:rgb(240, 124, 133)  
}
```

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(240, 124, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 124, 133) }
```

Border

The CSS property to change the border of an element to Yxy 34.6340, 0.4371, 0.3195 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(240, 124, 133) }
```

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

```
.border{ border-color:rgb(240, 124, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 124, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 124, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 124, 133);  
box-shadow:4px 4px 4px 4px rgb(240, 124,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 34.6340, 0.4371, 0.3195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 124, 133) }
```

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

```
.background{ background-color: rgb(240,  
124, 133) }
```

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