

Converting Colors

$Y_{xy}(34.9443, 0.4770, 0.3295)$

Have a look what the booklet for
Yxy(34.9443, 0.4770, 0.3295)
contains.

Yxy(35.0117, 0.4765, 0.3295)	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(35.0117, 0.4765, 0.3295)

Conversions

Conversions Part 1

Format	Color
Hex	FF7474
RGB	255, 116, 116
RGB Percent	100%, 45%, 45%
CMY	0.0001, 0.5450, 0.5451
CMYK	0.00, 0.54, 0.55, 0.00
HSL	0°, 100%, 73%
HSV	0°, 55%, 100%
XYZ	50.6315, 35.0117, 20.6139
YIQ	157.5610, 82.8440, 29.4680

Conversions

Conversions Part 2

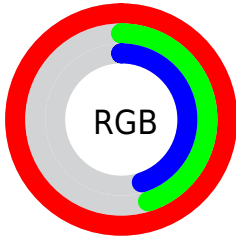
Format	Color
R _Y B	255, 116, 116
Decimal	16741492
CIE Lab	65.76, 52.92, 26.12
CIE LCh	66, 59.011, 26.273
Yxy	35.0117, 0.4765, 0.3295
Android (android.graphics.Color)	4294931572 (0xFFFF7474)
YUV	157.5610, -20.4896, 85.4540
Hunter-Lab	59.1707, 49.1911, 20.7640

Details

The Yxy color **35.0117, 0.4765, 0.3295** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **82.4226, 0.2433, 0.3288**, and the grayscale version is **34.0530, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.5922, 0.3924, 0.3335**, and **15.0923, 0.5270, 0.3220** is the 20% darker color. If you saturate the color by 10%, you get **29.4050, 0.5247, 0.3297**, and if you desaturate by 10%, it is **42.3973, 0.4326, 0.3294**.

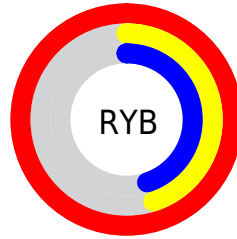
Distribution



Red (100%)

Green (45%)

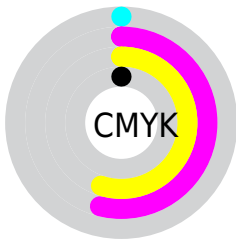
Blue (45%)



Red (100%)

Yellow (45%)

Blue (45%)

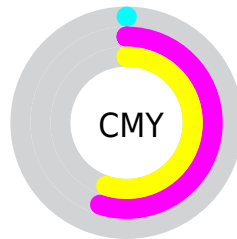


Cyan (0%)

Magenta (54%)

Yellow (55%)

Black (0%)



Cyan (0%)

Magenta (55%)

Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.0117, 0.4765, 0.3295 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 35.0117, 0.4765, 0.3295 by changing the saturation by 10% instead.

 35.0117, 0.4765,
0.3295


 35.0117, 0.4765,
0.3295


324.6200, 0.3904,
0.3339

 23.6719, 0.4987,
0.3267


 67.5039, 0.4446,
0.3323

 15.0904, 0.5273,
0.3220


 89.4251, 0.4327,
0.3330

 8.8829, 0.5651,
0.3140


 115.6421, 0.4228,
0.3335

 4.6649, 0.6164,
0.2993

146.5395, 0.4144,
0.3337

 2.0520, 0.7098,
0.2802

182.5016, 0.4071,
0.3339

 0.6374, 0.7902,
0.2098

223.9128, 0.4008,


 0.0000, 1.0000,

0.3339


0.0000

271.1574, 0.3953,
0.3340

 0.0000, 0.0000,
0.0000


 35.0117, 0.4765,
0.3295


 35.0117, 0.4765,
0.3295


 29.4050, 0.5247,
0.3297


 42.3973, 0.4326,
0.3294


 25.4224, 0.5718,
0.3298

 51.6883, 0.3951,
0.3293


 22.8925, 0.6103,
0.3299

 63.0062, 0.3645,
0.3292

 21.6026, 0.6334,
0.3300

 76.4610, 0.3398,
0.3291

 21.2563, 0.6401,
0.3300

 92.1545, 0.3202,
0.3290

99.9954, 0.3127,
0.3290

Harmonies

Analogous

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



35.0117, 0.4094, 0.2709



35.0117, 0.4765, 0.3295



35.0117, 0.4881, 0.3933

Triad

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



35.0117, 0.4765, 0.3295



35.0117, 0.2888, 0.4765



35.0117, 0.1831, 0.1991

Complementary

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



35.0117, 0.4765, 0.3295



82.4226, 0.2433, 0.3288

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.



35.0117, 0.1620, 0.2285



35.0117, 0.4765, 0.3295



35.0117, 0.2152, 0.3919

Square

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



35.0117, 0.4765, 0.3295



35.0117, 0.3735, 0.4951



35.0117, 0.1718, 0.2944



35.0117, 0.2351, 0.1996

Rectangle

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



35.0117, 0.4765, 0.3295



35.0117, 0.4654, 0.4356



35.0117, 0.1718, 0.2944



35.0117, 0.1727, 0.2052

Sweetspot

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



35.0136, 0.4765, 0.3295



74.3229, 0.3432, 0.3291



40.9660, 0.3188, 0.1993



15.2914, 0.3480, 0.3291



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.



35.0136, 0.4765, 0.3295



29.1762, 0.5271, 0.3297



57.4201, 0.4306, 0.3998



17.9875, 0.3295, 0.3291



11.1095, 0.6401, 0.3300



1.0818, 0.6400, 0.3300

Inverse Universe

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



82.4226, 0.2433, 0.3288



80.8599, 0.2356, 0.3287



45.8355, 0.2251, 0.2416



20.4810, 0.2980, 0.3290



41.1304, 0.2246, 0.3287



4.0049, 0.2246, 0.3287

Previews

White Background



This preview shows how the Yxy color 35.0117, 0.4765, 0.3295 looks on a white background.

Color Contrast Check

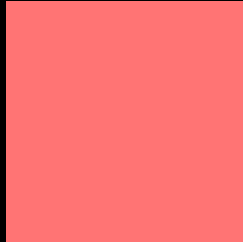
Large Text (above 18pt) WCAG AA × Fail

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 35.0117, 0.4765, 0.3295 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 35.0117, 0.4765, 0.3295

Background



This preview shows how black text looks on a background with the Yxy color 35.0117, 0.4765, 0.3295.



This preview shows how white text looks on a background with the Yxy color 35.0117, 0.4765, 0.3295.

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

35.0117, 0.4765, 0.3295

Protanopia

35.2440, 0.3428, 0.3643

Deuteranopia

34.9846, 0.3953, 0.3874



Tritanopia

34.9515, 0.4687, 0.3215

Trichromacy



Original Color

35.0117, 0.4765, 0.3295

Protanomaly

33.8109, 0.3897, 0.3490

Deuteranomaly

34.2222, 0.4255, 0.3638

Tritanomaly

34.8775, 0.4724, 0.3245

Monochromacy



Original Color

35.0117, 0.4765, 0.3295

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

32.9655, 0.3672, 0.3292

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.0117, 0.4765, 0.3295 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, 116, 116)` looks like.

```
.text, #text, p{  
    color:rgb(255, 116, 116)  
}
```

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, 116, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 116, 116) }
```

Border

The CSS property to change the border of an element to Yxy 35.0117, 0.4765, 0.3295 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, 116, 116) }
```

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

```
.border{ border-color:rgb(255, 116, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 116, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 116, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 116, 116);  
box-shadow:4px 4px 4px 4px rgb(255, 116,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 35.0117, 0.4765, 0.3295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 116, 116) }
```

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

```
.background{ background-color: rgb(255,  
116, 116) }
```

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