

Converting Colors

$Y_{xy}(29.1211, 0.4949, 0.3023)$

Have a look what the booklet for
Yxy(29.1211, 0.4949, 0.3023)
contains.

Yxy(29.1765, 0.4943, 0.3022)	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(29.1765, 0.4943, 0.3022)

Conversions

Conversions Part 1

Format	Color
Hex	FF5674
RGB	255, 86, 116
RGB Percent	100%, 34%, 45%
CMY	0.0000, 0.6627, 0.5450
CMYK	0.00, 0.66, 0.54, 0.00
HSL	349°, 100%, 67%
HSV	349°, 66%, 100%
XYZ	47.7232, 29.1765, 19.6473
YIQ	139.9510, 91.0940, 45.1580

Conversions

Conversions Part 2

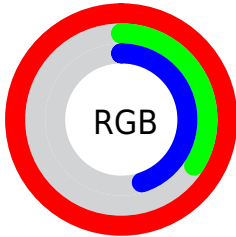
Format	Color
R _Y B	255, 86, 116
Decimal	16733812
CIE Lab	60.94, 65.78, 19.63
CIE LCh	61, 68.647, 16.619
Yxy	29.1765, 0.4943, 0.3022
Android (android.graphics.Color)	4294923892 (0xFFFF5674)
YUV	139.9510, -11.8078, 100.8980
Hunter-Lab	54.0153, 63.1803, 16.2448

Details

The Yxy color **29.1765, 0.4943, 0.3022** is a light color, and the websafe version is hex **FF3366**. The color can be described as light muted rose. A complement of this color would be **78.9331, 0.2465, 0.3658**, and the grayscale version is **26.2260, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.0337, 0.4025, 0.3041**, and **11.7975, 0.5550, 0.2863** is the 20% darker color. If you saturate the color by 10%, you get **25.3715, 0.5371, 0.3032**, and if you desaturate by 10%, it is **34.5441, 0.4531, 0.3039**.

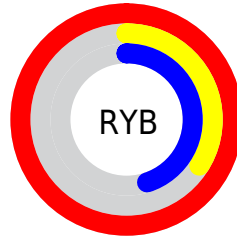
Distribution



Red (100%)

Green (34%)

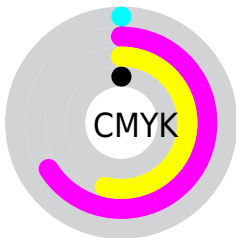
Blue (45%)



Red (100%)

Yellow (34%)

Blue (45%)

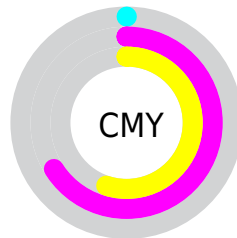


Cyan (0%)

Magenta (66%)

Yellow (54%)

Black (0%)



Cyan (0%)


Magenta (66%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1765, 0.4943, 0.3022 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 29.1765, 0.4943, 0.3022 by changing the saturation by 10% instead.


 29.1765, 0.4943,
0.3022


 29.1765, 0.4943,
0.3022


298.0468, 0.3965,
0.3209

 19.2144, 0.5204,
0.2957


 58.3574, 0.4574,
0.3103

 11.8253, 0.5544,
0.2861


 78.3450, 0.4439,
0.3130

 6.6248, 0.6002,
0.2714


 102.4431, 0.4327,
0.3151

 3.2286, 0.6635,
0.2474

 131.0363, 0.4232,
0.3167

 1.2522, 0.7851,
0.2149

164.5088, 0.4151,
0.3181

 0.1037, 0.9514,
0.0486

203.2452, 0.4080,


 0.0000, 1.0000,


0.3192


0.0000

247.6297, 0.4019,
0.3201


 0.0000, 0.0000,
0.0000


 29.1765, 0.4943,
0.3022

 29.1765, 0.4943,
0.3022


 25.3715, 0.5371,
0.3032


 34.5441, 0.4531,
0.3039


 22.9576, 0.5768,
0.3074


 41.6184, 0.4163,
0.3074

 21.7243, 0.6079,
0.3145

 50.5288, 0.3851,
0.3119

 21.4518, 0.6169,
0.3172

 61.3916, 0.3593,
0.3168

 74.3136, 0.3384,
0.3216

 89.3937, 0.3216,
0.3263

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.



29.1765, 0.3946, 0.2394



29.1765, 0.4943, 0.3022



29.1765, 0.5283, 0.3730

Triad

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



29.1765, 0.4943, 0.3022



29.1765, 0.3109, 0.5335



29.1765, 0.1486, 0.1811

Complementary

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



29.1765, 0.4943, 0.3022



78.9331, 0.2465, 0.3658

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.



29.1765, 0.1352, 0.2254



29.1765, 0.4943, 0.3022



29.1765, 0.2174, 0.4491

Square

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



29.1765, 0.4943, 0.3022



29.1765, 0.4099, 0.5179



29.1765, 0.1561, 0.3188



29.1765, 0.1956, 0.1732

Rectangle

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



29.1765, 0.4943, 0.3022



29.1765, 0.5099, 0.4234



29.1765, 0.1561, 0.3188



29.1765, 0.1405, 0.1912

Sweetspot

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



29.1770, 0.4943, 0.3022



69.2530, 0.3457, 0.3198



29.7253, 0.2905, 0.1656



14.0474, 0.3516, 0.3185



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.



29.1770, 0.4943, 0.3022



24.3198, 0.5525, 0.3043



40.5469, 0.4897, 0.3802



18.0398, 0.3266, 0.3248



11.2242, 0.6136, 0.3154



1.1066, 0.5850, 0.2996

Inverse Universe

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



29.1770, 0.4943, 0.3022



24.3198, 0.5525, 0.3043



51.1972, 0.2185, 0.2608



18.0398, 0.3266, 0.3248



11.2242, 0.6136, 0.3154



1.1066, 0.5850, 0.2996

Previews

White Background



This preview shows how the Yxy color 29.1765, 0.4943, 0.3022 looks on a white background.

Color Contrast Check

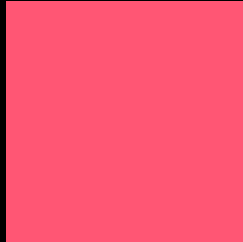
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.1765, 0.4943, 0.3022 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 × Fail

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

Yxy 29.1765, 0.4943, 0.3022

Background



This preview shows how black text looks on a background with the Yxy color 29.1765, 0.4943, 0.3022.



This preview shows how white text looks on a background with the Yxy color 29.1765, 0.4943, 0.3022.

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

29.1765, 0.4943, 0.3022

Protanopia

29.4268, 0.3168, 0.3306

Deuteranopia

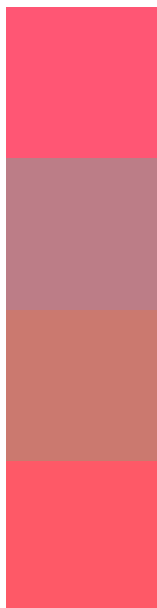
29.1311, 0.3852, 0.3780



Tritanopia

29.2094, 0.5188, 0.3252

Trichromacy



Original Color

29.1765, 0.4943, 0.3022

Protanomaly

27.1079, 0.3773, 0.3152

Deuteranomaly

27.5190, 0.4271, 0.3423

Tritanomaly

29.1949, 0.5092, 0.3170

Monochromacy



Original Color

29.1765, 0.4943, 0.3022

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

25.0167, 0.3771, 0.3134

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1765, 0.4943, 0.3022 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, 86, 116)` looks like.

```
.text, #text, p{  
    color:rgb(255, 86, 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, 86, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 86, 116) }
```

Border

The CSS property to change the border of an element to Yxy 29.1765, 0.4943, 0.3022 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, 86, 116) }
```

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

```
.border{ border-color:rgb(255, 86, 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, 86, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 86, 116); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 86, 116); box-shadow:4px 4px 4px 4px rgb(255, 86, 116) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1765, 0.4943, 0.3022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 86, 116) }
```

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

```
.background{ background-color: rgb(255, 86,  
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