

Converting Colors

$Y_{xy}(31.7587, 0.4744, 0.3046)$

Have a look what the booklet for
Yxy(31.7587, 0.4744, 0.3046)
contains.

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Color

Yxy(31.6643, 0.4751, 0.3045)

Conversions

Conversions Part 1

Format	Color
Hex	FF637D
RGB	255, 99, 125
RGB Percent	100%, 39%, 49%
CMY	0.0000, 0.6117, 0.5097
CMYK	0.00, 0.61, 0.51, 0.00
HSL	350°, 100%, 69%
HSV	350°, 61%, 100%
XYZ	49.4046, 31.6643, 22.9189
YIQ	148.6080, 84.6300, 41.1580

Conversions

Conversions Part 2

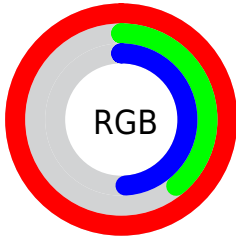
Format	Color
R _Y B	255, 99, 125
Decimal	16737149
CIE Lab	63.06, 61.22, 17.35
CIE LCh	63, 63.634, 15.819
Yxy	31.6643, 0.4751, 0.3045
Android (android.graphics.Color)	4294927229 (0xFFFF637D)
YUV	148.6080, -11.6387, 93.3058
Hunter-Lab	56.2710, 58.2444, 15.2412

Details

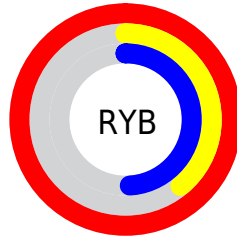
The Yxy color **31.6643, 0.4751, 0.3045** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **79.8281, 0.2485, 0.3604**, and the grayscale version is **29.9070, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.2113, 0.3890, 0.3072**, and **13.2455, 0.5288, 0.2920** is the 20% darker color. If you saturate the color by 10%, you get **27.0867, 0.5181, 0.3041**, and if you desaturate by 10%, it is **37.8862, 0.4354, 0.3070**.

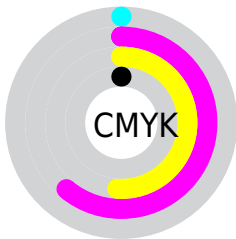
Distribution



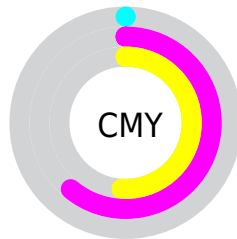
- Red (100%)
- Green (39%)
- Blue (49%)



- Red (100%)
- Yellow (39%)
- Blue (49%)



- Cyan (0%)
- Magenta (61%)
- Yellow (51%)
- Black (0%)




- Cyan (0%)
- Magenta (61%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.6643, 0.4751, 0.3045 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 31.6643, 0.4751, 0.3045 by changing the saturation by 10% instead.


 31.6643, 0.4751,
0.3045


 31.6643, 0.4751,
0.3045


309.5872, 0.3885,
0.3209


 21.1052, 0.4980,
0.2990


 62.2844, 0.4425,
0.3115

 13.2009, 0.5280,
0.2910


 83.1143, 0.4306,
0.3138

 7.5671, 0.5685,
0.2789


 108.1365, 0.4207,
0.3156

 3.8192, 0.6251,
0.2594

 137.7355, 0.4123,
0.3171

 1.5729, 0.7182,
0.2290

172.2957, 0.4050,
0.3183

 0.3393, 0.8686,
0.1314

212.2014, 0.3988,

 0.0000, 1.0000,

0.3193

0.0000


257.8371, 0.3933,
0.3202


 0.0000, 0.0000,
0.0000

 31.6643, 0.4751,
0.3045


 31.6643, 0.4751,
0.3045


 27.0867, 0.5181,
0.3041


 37.8862, 0.4354,
0.3070


 23.9916, 0.5603,
0.3066


 45.8837, 0.4009,
0.3109

 22.1932, 0.5963,
0.3122

 55.7811, 0.3721,
0.3153

 21.4308, 0.6193,
0.3185

 67.6896, 0.3486,
0.3199

 81.7121, 0.3296,
0.3243

97.9445, 0.3143,
0.3285

99.9998, 0.3127,
0.3290

Harmonies

Analogous

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



31.6643, 0.3845, 0.2456



31.6643, 0.4751, 0.3045



31.6643, 0.5095, 0.3714

Triad

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



31.6643, 0.4751, 0.3045



31.6643, 0.3164, 0.5123



31.6643, 0.1600, 0.1937

Complementary

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



31.6643, 0.4751, 0.3045



79.8281, 0.2485, 0.3604

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.



31.6643, 0.1484, 0.2373



31.6643, 0.4751, 0.3045



31.6643, 0.2291, 0.4389

Square

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



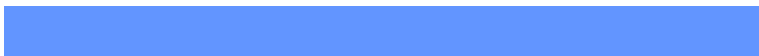
31.6643, 0.4751, 0.3045



31.6643, 0.4074, 0.5014



31.6643, 0.1701, 0.3242



31.6643, 0.2037, 0.1846

Rectangle

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



31.6643, 0.4751, 0.3045



31.6643, 0.4957, 0.4181



31.6643, 0.1701, 0.3242



31.6643, 0.1526, 0.2039

Sweetspot

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



31.6660, 0.4751, 0.3045



71.9071, 0.3421, 0.3213



32.3783, 0.2929, 0.1756



14.5618, 0.3480, 0.3200



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.



31.6660, 0.4751, 0.3045



26.4160, 0.5260, 0.3044



43.4675, 0.4710, 0.3781



18.0365, 0.3268, 0.3251



11.2126, 0.6161, 0.3168



1.1049, 0.5881, 0.3014

Inverse Universe

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



31.6660, 0.4751, 0.3045



26.4160, 0.5260, 0.3044



53.8238, 0.2241, 0.2670



18.0365, 0.3268, 0.3251



11.2126, 0.6161, 0.3168



1.1049, 0.5881, 0.3014

Previews

White Background



This preview shows how the Yxy color 31.6643, 0.4751, 0.3045 looks on a white background.

Color Contrast Check

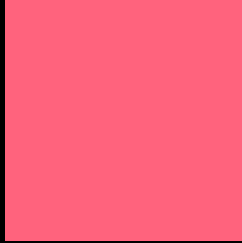
Large Text (above 18pt) WCAG AA × Fail

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 31.6643, 0.4751, 0.3045 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 31.6643, 0.4751, 0.3045

Background



This preview shows how black text looks on a background with the Yxy color 31.6643, 0.4751, 0.3045.



This preview shows how white text looks on a background with the Yxy color 31.6643, 0.4751, 0.3045.

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

31.6643, 0.4751, 0.3045

Protanopia

31.7914, 0.3167, 0.3290

Deuteranopia

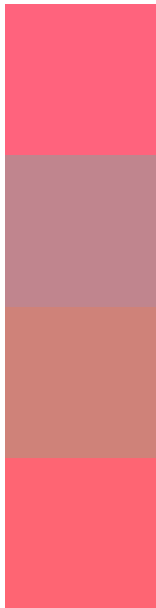
31.7591, 0.3772, 0.3709



Tritanopia

31.6777, 0.4932, 0.3229

Trichromacy



Original Color

31.6643, 0.4751, 0.3045

Protanomaly

29.9345, 0.3706, 0.3169

Deuteranomaly

30.6111, 0.4138, 0.3408

Tritanomaly

31.6160, 0.4862, 0.3162

Monochromacy



Original Color

31.6643, 0.4751, 0.3045

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

28.8174, 0.3691, 0.3166

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6643, 0.4751, 0.3045 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, 99, 125)` looks like.

```
.text, #text, p{  
    color:rgb(255, 99, 125)  
}
```

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, 99, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 99, 125) }
```

Border

The CSS property to change the border of an element to Yxy 31.6643, 0.4751, 0.3045 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, 99, 125) }
```

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

```
.border{ border-color:rgb(255, 99, 125) }
```

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

Here you see how a box with a 4 pixel rgb(255, 99, 125) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 99, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 99, 125);  
box-shadow:4px 4px 4px 4px rgb(255, 99,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6643, 0.4751, 0.3045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 99, 125) }
```

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

```
.background{ background-color: rgb(255, 99,  
125) }
```

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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