

Converting Colors

$Y_{xy}(35.6020, 0.4900, 0.3466)$

Have a look what the booklet for
Yxy(35.6020, 0.4900, 0.3466)
contains.

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Color

Yxy(35.6523, 0.4898, 0.3468)

Conversions

Conversions Part 1

Format	Color
Hex	FF7866
RGB	255, 120, 102
RGB Percent	100%, 47%, 40%
CMY	0.0000, 0.5294, 0.6000
CMYK	0.00, 0.53, 0.60, 0.00
HSL	7°, 100%, 70%
HSV	7°, 60%, 100%
XYZ	50.3532, 35.6523, 16.7981
YIQ	158.3130, 86.2380, 23.0220

Conversions

Conversions Part 2

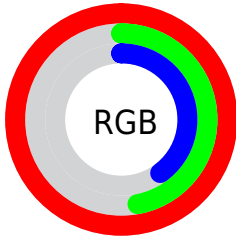
Format	Color
R _Y B	255, 122, 102
Decimal	16742502
CIE Lab	66.25, 50.04, 34.55
CIE LCh	66, 60.805, 34.626
Yxy	35.6523, 0.4898, 0.3468
Android (android.graphics.Color)	4294932582 (0xFFFF7866)
YUV	158.3130, -27.7623, 84.7945
Hunter-Lab	59.7095, 46.0378, 25.1166

Details

The Yxy color **35.6523, 0.4898, 0.3468** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **70.6024, 0.2341, 0.3072**, and the grayscale version is **34.4429, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.2199, 0.4050, 0.3524**, and **15.5097, 0.5419, 0.3412** is the 20% darker color. If you saturate the color by 10%, you get **30.4326, 0.5349, 0.3472**, and if you desaturate by 10%, it is **42.3024, 0.4471, 0.3448**.

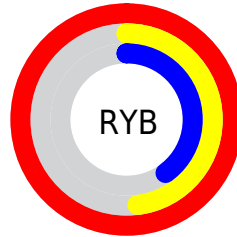
Distribution



Red (100%)

Green (47%)

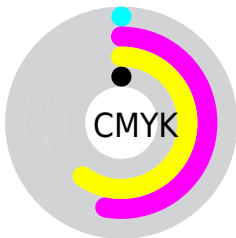
Blue (40%)



Red (100%)

Yellow (48%)

Blue (40%)

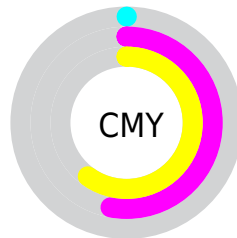


Cyan (0%)

Magenta (53%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (53%)

Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.6523, 0.4898, 0.3468 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 35.6523, 0.4898, 0.3468 by changing the saturation by 10% instead.

 35.6523, 0.4898,
0.3468


 35.6523, 0.4898,
0.3468


327.4383, 0.3976,
0.3440


 24.1658, 0.5130,
0.3452


 68.4951, 0.4559,
0.3474


 15.4566, 0.5424,
0.3416


 90.6201, 0.4433,
0.3472

 9.1405, 0.5802,
0.3344


 117.0601, 0.4326,
0.3467

 4.8329, 0.6303,
0.3201

 148.1994, 0.4235,
0.3462

 2.1496, 0.7050,
0.2950

184.4225, 0.4157,
0.3456

 0.6923, 0.7735,
0.2265

226.1138, 0.4089,

 0.0000, 1.0000,

0.3451

0.0000

273.6575, 0.4029,
0.3445

■ 0.0000, 0.0000,
0.0000

■ 35.6523, 0.4898,
0.3468

■ 35.6523, 0.4898,
0.3468

■ 30.4326, 0.5349,
0.3472

■ 42.3024, 0.4471,
0.3448

■ 26.5325, 0.5775,
0.3455

■ 50.4718, 0.4095,
0.3419

■ 23.8339, 0.6113,
0.3414

■ 60.2486, 0.3777,
0.3386

■ 22.1886, 0.6321,
0.3363

■ 71.7128, 0.3515,
0.3353

■ 22.1884, 0.6321,
0.3363

■ 84.9388, 0.3301,
0.3320

99.9968, 0.3127,
0.3290

99.9988, 0.3127,
0.3290

Harmonies

Analogous

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



35.6523, 0.4353, 0.2852



35.6523, 0.4898, 0.3468



35.6523, 0.4846, 0.4122

Triad

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



35.6523, 0.4898, 0.3468



35.6523, 0.2648, 0.4617



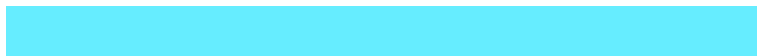
35.6523, 0.1921, 0.1939

Complementary

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



35.6523, 0.4898, 0.3468



70.6024, 0.2341, 0.3072

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.



35.6523, 0.1621, 0.2144



35.6523, 0.4898, 0.3468



35.6523, 0.1971, 0.3640

Square

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



35.6523, 0.4898, 0.3468



35.6523, 0.3505, 0.5015



35.6523, 0.1629, 0.2705



35.6523, 0.2537, 0.2019

Rectangle

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



35.6523, 0.4898, 0.3468



35.6523, 0.4528, 0.4541



35.6523, 0.1629, 0.2705



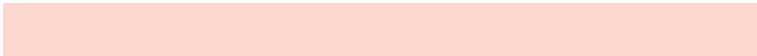
35.6523, 0.1786, 0.1973

Sweetspot

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



35.6542, 0.4898, 0.3468



74.2169, 0.3469, 0.3346



36.8847, 0.3362, 0.2023



15.1113, 0.3537, 0.3356



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.



35.6542, 0.4898, 0.3468



29.5514, 0.5438, 0.3471



61.8546, 0.4332, 0.4223



18.3313, 0.3292, 0.3319



11.7025, 0.6304, 0.3377



1.2446, 0.6141, 0.3506

Inverse Universe

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



70.6024, 0.2341, 0.3072



67.0708, 0.2250, 0.3022



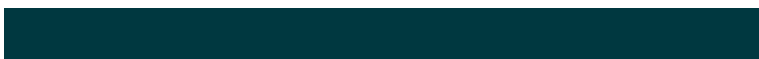
35.4115, 0.2116, 0.2069



20.0947, 0.2980, 0.3261



32.0498, 0.2143, 0.2914



3.2195, 0.2156, 0.2960

Previews

White Background



This preview shows how the Yxy color 35.6523, 0.4898, 0.3468 looks on a white background.

Color Contrast Check

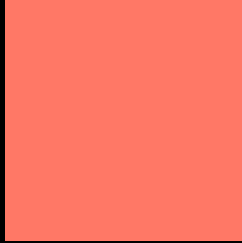
Large Text (above 18pt) WCAG AA × Fail

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 35.6523, 0.4898, 0.3468 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 35.6523, 0.4898, 0.3468

Background



This preview shows how black text looks on a background with the Yxy color 35.6523, 0.4898, 0.3468.



This preview shows how white text looks on a background with the Yxy color 35.6523, 0.4898, 0.3468.

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

35.6523, 0.4898, 0.3468

Protanopia

35.7059, 0.3636, 0.3898

Deuteranopia

35.6915, 0.4133, 0.4049



Tritanopia

35.7232, 0.4633, 0.3215

Trichromacy



Original Color

35.6523, 0.4898, 0.3468

Protanomaly

34.4465, 0.4091, 0.3720

Deuteranomaly

34.9796, 0.4418, 0.3817

Tritanomaly

35.7380, 0.4734, 0.3315

Monochromacy



Original Color

35.6523, 0.4898, 0.3468

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

33.1190, 0.3723, 0.3373

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.6523, 0.4898, 0.3468 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, 120, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 120, 102)  
}
```

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, 120, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 120, 102) }
```

Border

The CSS property to change the border of an element to Yxy 35.6523, 0.4898, 0.3468 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, 120, 102) }
```

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

```
.border{ border-color:rgb(255, 120, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 120, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 120, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 120, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 120,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 35.6523, 0.4898, 0.3468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 120, 102) }
```

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

```
.background{ background-color: rgb(255,  
120, 102) }
```

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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