

Converting Colors

$Y_{xy}(33.3086, 0.4893, 0.3458)$

Have a look what the booklet for
Yxy(33.3086, 0.4893, 0.3458)
contains.

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Color

Yxy(33.3673, 0.4890, 0.3453)

Conversions

Conversions Part 1

Format	Color
Hex	F87464
RGB	248, 116, 100
RGB Percent	97%, 45%, 39%
CMY	0.0275, 0.5450, 0.6078
CMYK	0.00, 0.53, 0.60, 0.03
HSL	6°, 91%, 68%
HSV	6°, 60%, 97%
XYZ	47.2534, 33.3673, 16.0121
YIQ	153.6440, 83.8080, 23.0080

Conversions

Conversions Part 2

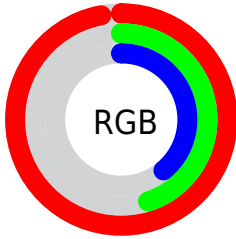
Format	Color
R _Y B	248, 118, 100
Decimal	16282724
CIE Lab	64.46, 49.30, 33.15
CIE LCh	64, 59.409, 33.920
Yxy	33.3673, 0.4890, 0.3453
Android (android.graphics.Color)	4294472804 (0xFFFF87464)
YUV	153.6440, -26.4465, 82.7502
Hunter-Lab	57.7644, 44.9318, 24.0002

Details

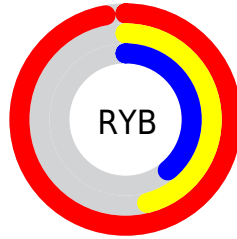
The Yxy color **33.3673, 0.4890, 0.3453** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **67.1920, 0.2349, 0.3092**, and the grayscale version is **32.2446, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.6202, 0.4087, 0.3503**, and **14.1414, 0.5428, 0.3394** is the 20% darker color. If you saturate the color by 10%, you get **28.4524, 0.5343, 0.3457**, and if you desaturate by 10%, it is **39.6456, 0.4462, 0.3435**.

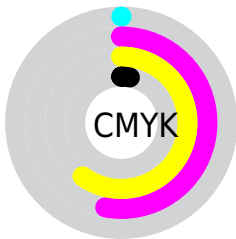
Distribution



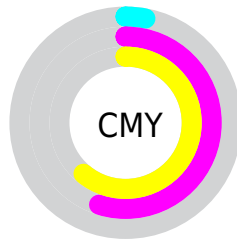
- Red (97%)
- Green (45%)
- Blue (39%)



- Red (97%)
- Yellow (46%)
- Blue (39%)



- Cyan (0%)
- Magenta (53%)
- Yellow (60%)
- Black (3%)




- Cyan (3%)
- Magenta (55%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3673, 0.4890, 0.3453 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 33.3673, 0.4890, 0.3453 by changing the saturation by 10% instead.


 33.3673, 0.4890,
0.3453


 33.3673, 0.4890,
0.3453


317.3016, 0.3962,
0.3430


 22.4080, 0.5127,
0.3435


 64.9486, 0.4546,
0.3461


 14.1570, 0.5430,
0.3397


 86.3393, 0.4419,
0.3459

 8.2299, 0.5824,
0.3319


 111.9759, 0.4312,
0.3456

 4.2424, 0.6359,
0.3170

 142.2428, 0.4220,
0.3451

 1.8101, 0.7121,
0.2879

177.5245, 0.4142,
0.3446

 0.4934, 0.8002,
0.1998

218.2052, 0.4074,

 0.0000, 1.0000,

0.3440

0.0000

264.6694, 0.4014,
0.3435

■ 0.0000, 0.0000,
0.0000

■ 33.3673, 0.4890,
0.3453

■ 33.3673, 0.4890,
0.3453

■ 28.4524, 0.5343,
0.3457

■ 39.6456, 0.4462,
0.3435

■ 24.7943, 0.5773,
0.3441

■ 47.3728, 0.4086,
0.3408

■ 22.2791, 0.6115,
0.3405


■ 56.6336, 0.3768,
0.3377

■ 20.7645, 0.6324,
0.3357

■ 67.5050, 0.3507,
0.3346

■ 20.7285, 0.6330,
0.3356

■ 80.0584, 0.3295,
0.3317

 94.3610, 0.3122,
0.3289

 98.6933, 0.3084,
0.3290

Harmonies

Analogous

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



33.3673, 0.4333, 0.2839



33.3673, 0.4890, 0.3453



33.3673, 0.4852, 0.4106

Triad

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



33.3673, 0.4890, 0.3453



33.3673, 0.2668, 0.4634



33.3673, 0.1911, 0.1942

Complementary

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



33.3673, 0.4890, 0.3453



67.1920, 0.2349, 0.3092

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.



33.3673, 0.1619, 0.2154



33.3673, 0.4890, 0.3453



33.3673, 0.1985, 0.3664

Square

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



33.3673, 0.4890, 0.3453



33.3673, 0.3525, 0.5013



33.3673, 0.1635, 0.2724



33.3673, 0.2520, 0.2016

Rectangle

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



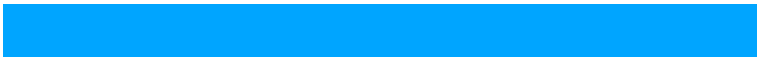
33.3673, 0.4890, 0.3453



33.3673, 0.4541, 0.4526



33.3673, 0.1635, 0.2724



33.3673, 0.1779, 0.1978

Sweetspot

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



33.3691, 0.4890, 0.3453



73.9932, 0.3469, 0.3342



34.9658, 0.3335, 0.2011



15.0579, 0.3538, 0.3350



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.



33.3691, 0.4890, 0.3453



29.2451, 0.5453, 0.3455



57.1824, 0.4340, 0.4195



17.5271, 0.3291, 0.3316



11.2951, 0.6314, 0.3369



1.1421, 0.6151, 0.3498

Inverse Universe

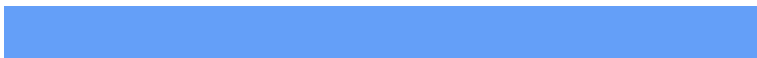
The Inverse Universe completely reimagines the original color for something new.



67.1920, 0.2349, 0.3092



68.0772, 0.2255, 0.3045



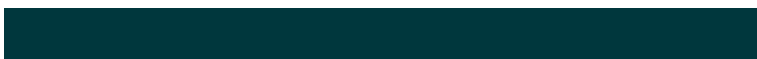
34.3542, 0.2130, 0.2113



19.2691, 0.2980, 0.3264



31.7767, 0.2152, 0.2946



3.0320, 0.2164, 0.2990

Previews

White Background



This preview shows how the Yxy color 33.3673, 0.4890, 0.3453 looks on a white background.

Color Contrast Check

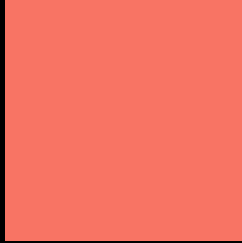
Large Text (above 18pt) WCAG AA × Fail

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 33.3673, 0.4890, 0.3453 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 33.3673, 0.4890, 0.3453

Background



This preview shows how black text looks on a background with the Yxy color 33.3673, 0.4890, 0.3453.



This preview shows how white text looks on a background with the Yxy color 33.3673, 0.4890, 0.3453.

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

33.3673, 0.4890, 0.3453

Protanopia

33.7231, 0.3618, 0.3884

Deuteranopia

33.5680, 0.4116, 0.4044



Tritanopia

33.3305, 0.4668, 0.3213

Trichromacy



Original Color

33.3673, 0.4890, 0.3453

Protanomaly

32.3640, 0.4072, 0.3705

Deuteranomaly

32.8704, 0.4409, 0.3807

Tritanomaly

33.3666, 0.4761, 0.3305

Monochromacy



Original Color

33.3673, 0.4890, 0.3453

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

31.1688, 0.3727, 0.3375

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3673, 0.4890, 0.3453 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(248, 116, 100)` looks like.

```
.text, #text, p{  
    color:rgb(248, 116, 100)  
}
```

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(248, 116, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 116, 100) }
```

Border

The CSS property to change the border of an element to Yxy 33.3673, 0.4890, 0.3453 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(248, 116, 100) }
```

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

```
.border{ border-color:rgb(248, 116, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 116, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 116, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 116, 100);  
box-shadow:4px 4px 4px 4px rgb(248, 116,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3673, 0.4890, 0.3453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 116, 100) }
```

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

```
.background{ background-color: rgb(248,  
116, 100) }
```

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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