

Converting Colors

$Y_{xy}(34.9265, 0.4826, 0.3690)$

Have a look what the booklet for
Yxy(34.9265, 0.4826, 0.3690)
contains.

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Color

Yxy(34.9640, 0.4823, 0.3696)

Conversions

Conversions Part 1

Format	Color
Hex	F0815A
RGB	240, 129, 90
RGB Percent	94%, 51%, 35%
CMY	0.0589, 0.4940, 0.6472
CMYK	0.00, 0.46, 0.63, 0.06
HSL	16°, 83%, 65%
HSV	16°, 63%, 94%
XYZ	45.6254, 34.9640, 14.0102
YIQ	157.7430, 78.6750, 11.4030

Conversions

Conversions Part 2

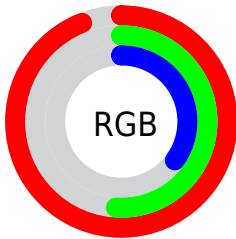
Format	Color
R _Y B	240, 143, 90
Decimal	15761754
CIE Lab	65.72, 39.25, 39.93
CIE LCh	66, 55.990, 45.490
Yxy	34.9640, 0.4823, 0.3696
Android (android.graphics.Color)	4293951834 (0xFFFF0815A)
YUV	157.7430, -33.3973, 72.1394
Hunter-Lab	59.1304, 34.2536, 27.3432

Details

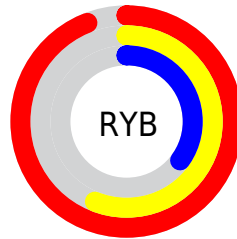
The Yxy color **34.9640, 0.4823, 0.3696** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **50.2038, 0.2255, 0.2774**, and the grayscale version is **34.1981, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.0501, 0.4118, 0.3731**, and **15.0586, 0.5326, 0.3702** is the 20% darker color. If you saturate the color by 10%, you get **30.3430, 0.5215, 0.3713**, and if you desaturate by 10%, it is **40.5329, 0.4446, 0.3651**.

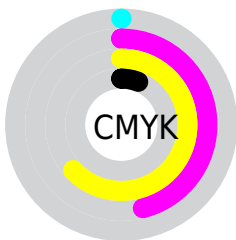
Distribution



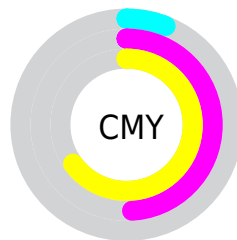
- Red (94%)
- Green (51%)
- Blue (35%)



- Red (94%)
- Yellow (56%)
- Blue (35%)



- Cyan (0%)
- Magenta (46%)
- Yellow (63%)
- Black (6%)




- Cyan (6%)
- Magenta (49%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.9640, 0.4823, 0.3696 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 34.9640, 0.4823, 0.3696 by changing the saturation by 10% instead.


 34.9640, 0.4823,
0.3696


 34.9640, 0.4823,
0.3696


324.4094, 0.3943,
0.3553

 23.6351, 0.5042,
0.3706


 67.4300, 0.4501,
0.3662


 15.0632, 0.5316,
0.3701


 89.3359, 0.4381,
0.3643

 8.8637, 0.5664,
0.3664


 115.5363, 0.4279,
0.3625

 4.6524, 0.6171,
0.3591

 146.4156, 0.4192,
0.3609

 2.0448, 0.6696,
0.3304

182.3582, 0.4116,
0.3593

 0.6333, 0.7380,
0.2620

223.7484, 0.4051,

 0.0000, 1.0000,

0.3578

0.0000

270.9707, 0.3994,
0.3565

0.0000, 0.0000,
0.0000

34.9640, 0.4823,
0.3696

34.9640, 0.4823,
0.3696

30.3430, 0.5215,
0.3713

40.5329, 0.4446,
0.3651

26.6092, 0.5589,
0.3690

47.0947, 0.4105,
0.3588


23.7026, 0.5901,
0.3623

54.6979, 0.3808,
0.3517


22.0187, 0.6081,
0.3554

63.3861, 0.3556,
0.3444

73.2003, 0.3344,
0.3373

 84.1796, 0.3167,
0.3306

 96.1688, 0.3036,
0.3273

 97.2620, 0.3035,
0.3290

Harmonies

Analogous

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



34.9640, 0.4505, 0.3091



34.9640, 0.4823, 0.3696



34.9640, 0.4602, 0.4306

Triad

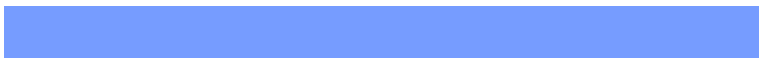
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



34.9640, 0.4823, 0.3696



34.9640, 0.2429, 0.4218



34.9640, 0.2172, 0.2018

Complementary

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



34.9640, 0.4823, 0.3696



50.2038, 0.2255, 0.2774

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.



34.9640, 0.1778, 0.2113



34.9640, 0.4823, 0.3696



34.9640, 0.1892, 0.3278

Square

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



34.9640, 0.4823, 0.3696



34.9640, 0.3198, 0.4828



34.9640, 0.1680, 0.2520



34.9640, 0.2859, 0.2180

Rectangle

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



34.9640, 0.4823, 0.3696



34.9640, 0.4226, 0.4655



34.9640, 0.1680, 0.2520



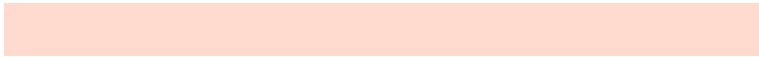
34.9640, 0.2008, 0.2019

Sweetspot

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



34.9658, 0.4823, 0.3696



76.4908, 0.3479, 0.3419



30.1165, 0.3599, 0.2155



15.7044, 0.3543, 0.3440



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.



34.9658, 0.4823, 0.3696



33.5574, 0.5321, 0.3711



61.7259, 0.4239, 0.4434



16.4278, 0.3287, 0.3352



12.2381, 0.6053, 0.3575



1.1742, 0.5798, 0.3778

Inverse Universe

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



50.2038, 0.2255, 0.2774



52.0671, 0.2139, 0.2649



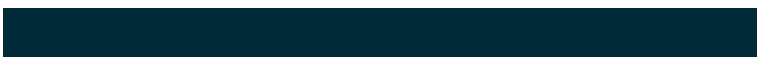
23.7639, 0.2015, 0.1736



17.1919, 0.2981, 0.3227



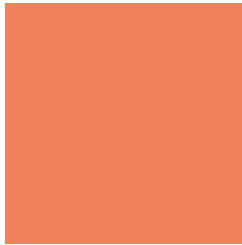
20.9977, 0.2007, 0.2423



1.9069, 0.2042, 0.2551

Previews

White Background



This preview shows how the Yxy color 34.9640, 0.4823, 0.3696 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 34.9640, 0.4823, 0.3696 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 34.9640, 0.4823, 0.3696

Background



This preview shows how black text looks on a background with the Yxy color 34.9640, 0.4823, 0.3696.



This preview shows how white text looks on a background with the Yxy color 34.9640, 0.4823, 0.3696.

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

34.9640, 0.4823, 0.3696

Protanopia

35.0799, 0.3816, 0.4135

Deuteranopia

35.1741, 0.4238, 0.4164



Tritanopia

35.1359, 0.4413, 0.3208

Trichromacy



Original Color

34.9640, 0.4823, 0.3696

Protanomaly

34.3637, 0.4180, 0.3968

Deuteranomaly

34.6317, 0.4458, 0.3975

Tritanomaly

35.0833, 0.4570, 0.3390

Monochromacy



Original Color

34.9640, 0.4823, 0.3696

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

33.2523, 0.3711, 0.3486

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.9640, 0.4823, 0.3696 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(240, 129, 90)` looks like.

```
.text, #text, p{  
    color:rgb(240, 129, 90)  
}
```

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(240, 129, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 129, 90) }
```

Border

The CSS property to change the border of an element to Yxy 34.9640, 0.4823, 0.3696 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(240, 129, 90) }
```

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

```
.border{ border-color:rgb(240, 129, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 129, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 129, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 129, 90);  
box-shadow:4px 4px 4px 4px rgb(240, 129,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 34.9640, 0.4823, 0.3696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 129, 90) }
```

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

```
.background{ background-color: rgb(240,  
129, 90) }
```

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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