

Converting Colors

$Y_{xy}(35.6221, 0.4788, 0.3908)$

Have a look what the booklet for
Yxy(35.6221, 0.4788, 0.3908)
contains.

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Color

Yxy(35.6116, 0.4784, 0.3904)

Conversions

Conversions Part 1

Format	Color
Hex	E8894F
RGB	232, 137, 79
RGB Percent	91%, 54%, 31%
CMY	0.0901, 0.4628, 0.6903
CMYK	0.00, 0.41, 0.66, 0.09
HSL	23°, 77%, 61%
HSV	23°, 66%, 91%
XYZ	43.6388, 35.6116, 11.9678
YIQ	158.7930, 75.2380, 2.1020

Conversions

Conversions Part 2

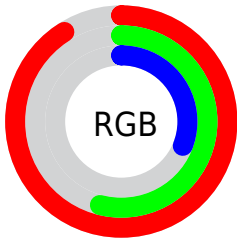
Format	Color
R_YB	232, 172, 79
Decimal	15239503
CIE Lab	66.22, 31.32, 45.96
CIE LCh	66, 55.618, 55.724
Yxy	35.6116, 0.4784, 0.3904
Android (android.graphics.Color)	4293429583 (0xFFE8894F)
YUV	158.7930, -39.3379, 64.2025
Hunter-Lab	59.6755, 26.0995, 29.8823

Details

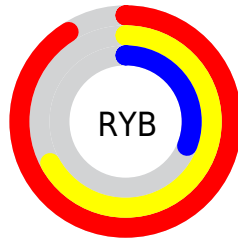
The Yxy color **35.6116, 0.4784, 0.3904** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **37.7615, 0.2158, 0.2475**, and the grayscale version is **34.7291, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.1333, 0.4166, 0.3920**, and **15.4072, 0.5234, 0.3961** is the 20% darker color. If you saturate the color by 10%, you get **31.5067, 0.5118, 0.3930**, and if you desaturate by 10%, it is **40.3849, 0.4453, 0.3841**.

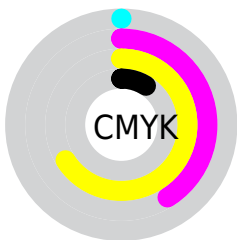
Distribution



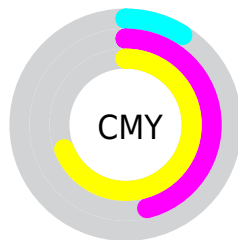
- Red (91%)
- Green (54%)
- Blue (31%)



- Red (91%)
- Yellow (67%)
- Blue (31%)



- Cyan (0%)
- Magenta (41%)
- Yellow (66%)
- Black (9%)





- Cyan (9%)
- Magenta (46%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.6116, 0.4784, 0.3904 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 35.6116, 0.4784, 0.3904 by changing the saturation by 10% instead.


 35.6116, 0.4784,
0.3904


 35.6116, 0.4784,
0.3904


327.2597, 0.3936,
0.3658


 24.1344, 0.4988,
0.3936


 68.4322, 0.4479,
0.3835


 15.4333, 0.5238,
0.3957


 90.5443, 0.4362,
0.3802

 9.1241, 0.5547,
0.3948


 116.9702, 0.4264,
0.3772

 4.8222, 0.6048,
0.3952

 148.0942, 0.4179,
0.3745

 2.1433, 0.6363,
0.3637

 184.3008, 0.4106,
0.3720

 0.6888, 0.6939,
0.3061

225.9743, 0.4042,

 0.0000, 1.0000,

0.3698

0.0000

273.4991, 0.3986,
0.3677

0.0000, 0.0000,
0.0000

35.6116, 0.4784,
0.3904

35.6116, 0.4784,
0.3904

31.5067, 0.5118,
0.3930

40.3849, 0.4453,
0.3841

28.0303, 0.5428,
0.3908

45.8524, 0.4142,
0.3753


25.1453, 0.5687,
0.3832


52.0449, 0.3863,
0.3652


24.1304, 0.5780,
0.3793


58.9898, 0.3617,
0.3548

66.7126, 0.3405,
0.3444

 75.2378, 0.3223,
0.3346

 84.5885, 0.3067,
0.3254

 94.1533, 0.2987,
0.3262

 95.8982, 0.2988,
0.3290

Harmonies

Analogous

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



35.6116, 0.4656, 0.3295



35.6116, 0.4784, 0.3904



35.6116, 0.4414, 0.4485

Triad

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



35.6116, 0.4784, 0.3904



35.6116, 0.2223, 0.3896



35.6116, 0.2384, 0.2059

Complementary

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



35.6116, 0.4784, 0.3904



37.7615, 0.2158, 0.2475

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.



35.6116, 0.1892, 0.2062



35.6116, 0.4784, 0.3904



35.6116, 0.1798, 0.2988

Square

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



35.6116, 0.4784, 0.3904



35.6116, 0.2926, 0.4670



35.6116, 0.1695, 0.2354



35.6116, 0.3149, 0.2298

Rectangle

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



35.6116, 0.4784, 0.3904



35.6116, 0.3979, 0.4769



35.6116, 0.1695, 0.2354



35.6116, 0.2187, 0.2031

Sweetspot

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



35.6135, 0.4784, 0.3904



78.5736, 0.3489, 0.3487



25.8790, 0.3869, 0.2280



16.2427, 0.3549, 0.3516



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.



35.6135, 0.4784, 0.3904



37.4659, 0.5229, 0.3928



64.6151, 0.4166, 0.4630



15.2589, 0.3283, 0.3380



13.6185, 0.5750, 0.3816



1.1809, 0.5477, 0.4033

Inverse Universe

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



37.7615, 0.2158, 0.2475



40.0843, 0.2021, 0.2276



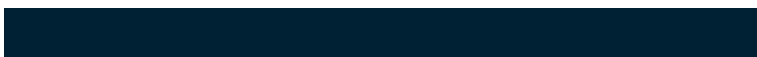
16.4864, 0.1903, 0.1407



15.3703, 0.2981, 0.3199



14.5666, 0.1889, 0.2001



1.2541, 0.1947, 0.2210

Previews

White Background



This preview shows how the Yxy color 35.6116, 0.4784, 0.3904 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 35.6116, 0.4784, 0.3904 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 35.6116, 0.4784, 0.3904

Background



This preview shows how black text looks on a background with the Yxy color 35.6116, 0.4784, 0.3904.



This preview shows how white text looks on a background with the Yxy color 35.6116, 0.4784, 0.3904.

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

35.6116, 0.4784, 0.3904

Protanopia

35.9938, 0.3966, 0.4325

Deuteranopia

35.7613, 0.4342, 0.4268



Tritanopia

35.6622, 0.4228, 0.3192

Trichromacy



Original Color

35.6116, 0.4784, 0.3904

Protanomaly

35.4283, 0.4267, 0.4167

Deuteranomaly

35.5505, 0.4509, 0.4135

Tritanomaly

35.7216, 0.4457, 0.3472

Monochromacy



Original Color

35.6116, 0.4784, 0.3904

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

34.1840, 0.3706, 0.3584

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.6116, 0.4784, 0.3904 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(232, 137, 79)` looks like.

```
.text, #text, p{  
    color:rgb(232, 137, 79)  
}
```

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(232, 137, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 137, 79) }
```

Border

The CSS property to change the border of an element to Yxy 35.6116, 0.4784, 0.3904 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(232, 137, 79) }
```

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

```
.border{ border-color:rgb(232, 137, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 137, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 137, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 137, 79);  
box-shadow:4px 4px 4px 4px rgb(232, 137,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 35.6116, 0.4784, 0.3904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 137, 79) }
```

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

```
.background{ background-color: rgb(232,  
137, 79) }
```

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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