

Converting Colors

$Y_{xy}(35.8204, 0.4777, 0.3911)$

Have a look what the booklet for
Yxy(35.8204, 0.4777, 0.3911)
contains.

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Color

Yxy(35.8973, 0.4774, 0.3915)

Conversions

Conversions Part 1

Format	Color
Hex	E88A4F
RGB	232, 138, 79
RGB Percent	91%, 54%, 31%
CMY	0.0903, 0.4587, 0.6902
CMYK	0.00, 0.41, 0.66, 0.09
HSL	23°, 77%, 61%
HSV	23°, 66%, 91%
XYZ	43.7736, 35.8973, 12.0208
YIQ	159.3800, 74.9630, 1.5790

Conversions

Conversions Part 2

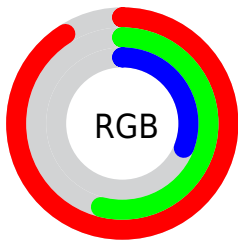
Format	Color
R _Y B	232, 175, 79
Decimal	15239759
CIE Lab	66.44, 30.77, 46.20
CIE LCh	66, 55.508, 56.330
Yxy	35.8973, 0.4774, 0.3915
Android (android.graphics.Color)	4293429839 (0xFFE88A4F)
YUV	159.3800, -39.6273, 63.6877
Hunter-Lab	59.9144, 25.5625, 30.0445

Details

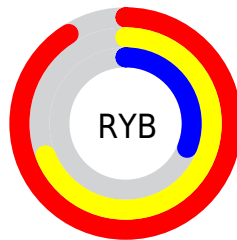
The Yxy color **35.8973, 0.4774, 0.3915** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **37.3637, 0.2154, 0.2460**, and the grayscale version is **35.0156, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.5710, 0.4160, 0.3930**, and **15.5681, 0.5219, 0.3975** is the 20% darker color. If you saturate the color by 10%, you get **31.7935, 0.5104, 0.3943**, and if you desaturate by 10%, it is **40.6592, 0.4446, 0.3850**.

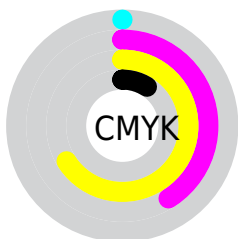
Distribution



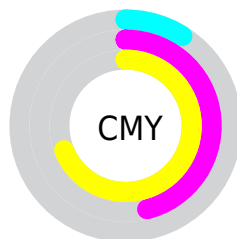
- Red (91%)
- Green (54%)
- Blue (31%)



- Red (91%)
- Yellow (69%)
- 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 35.8973, 0.4774, 0.3915 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 35.8973, 0.4774, 0.3915 by changing the saturation by 10% instead.


 35.8973, 0.4774,
0.3915


 35.8973, 0.4774,
0.3915


328.5114, 0.3933,
0.3664

 24.3549, 0.4976,
0.3949


 68.8735, 0.4471,
0.3843

 15.5971, 0.5224,
0.3972


 91.0761, 0.4356,
0.3810


 9.2395, 0.5529,
0.3966


 117.6009, 0.4258,
0.3780

 4.8977, 0.6024,
0.3976

 148.8323, 0.4174,
0.3752

 2.1874, 0.6332,
0.3668

 185.1546, 0.4102,
0.3727

 0.7131, 0.6885,
0.3115

226.9523, 0.4038,

 0.0000, 1.0000,

0.3704

0.0000

274.6098, 0.3982,
0.3683

■ 0.0000, 0.0000,
0.0000

■ 35.8973, 0.4774,
0.3915

■ 35.8973, 0.4774,
0.3915

■ 31.7935, 0.5104,
0.3943

■ 40.6592, 0.4446,
0.3850

■ 28.3084, 0.5411,
0.3921

■ 46.1041, 0.4138,
0.3761


■ 25.4061, 0.5669,
0.3847

■ 52.2623, 0.3860,
0.3658

■ 24.3780, 0.5761,
0.3808


■ 59.1603, 0.3616,
0.3552

■ 66.8233, 0.3404,
0.3447

 75.2749, 0.3222,
0.3347

 84.5380, 0.3067,
0.3253

 94.0007, 0.2987,
0.3260

 95.8921, 0.2987,
0.3290

Harmonies

Analogous

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



35.8973, 0.4657, 0.3307



35.8973, 0.4774, 0.3915



35.8973, 0.4398, 0.4491

Triad

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



35.8973, 0.4774, 0.3915



35.8973, 0.2215, 0.3875



35.8973, 0.2400, 0.2066

Complementary

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



35.8973, 0.4774, 0.3915



37.3637, 0.2154, 0.2460

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.



35.8973, 0.1904, 0.2064



35.8973, 0.4774, 0.3915



35.8973, 0.1798, 0.2974

Square

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



35.8973, 0.4774, 0.3915



35.8973, 0.2912, 0.4652



35.8973, 0.1701, 0.2349



35.8973, 0.3166, 0.2309

Rectangle

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



35.8973, 0.4774, 0.3915



35.8973, 0.3962, 0.4769



35.8973, 0.1701, 0.2349



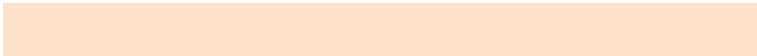
35.8973, 0.2202, 0.2037

Sweetspot

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



35.8992, 0.4774, 0.3915



78.7555, 0.3488, 0.3490



25.7761, 0.3904, 0.2305



16.2860, 0.3548, 0.3520



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.



35.8992, 0.4774, 0.3915



37.8246, 0.5215, 0.3941



65.8767, 0.4148, 0.4650



15.2750, 0.3283, 0.3381



13.7629, 0.5732, 0.3831



1.1927, 0.5461, 0.4046

Inverse Universe

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



37.3637, 0.2154, 0.2460



39.5509, 0.2016, 0.2257



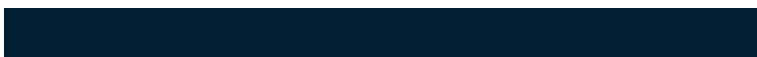
16.0108, 0.1896, 0.1376



15.3537, 0.2981, 0.3197



14.3095, 0.1883, 0.1978



1.2361, 0.1942, 0.2190

Previews

White Background



This preview shows how the Yxy color 35.8973, 0.4774, 0.3915 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 35.8973, 0.4774, 0.3915 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 35.8973, 0.4774, 0.3915

Background



This preview shows how black text looks on a background with the Yxy color 35.8973, 0.4774, 0.3915.



This preview shows how white text looks on a background with the Yxy color 35.8973, 0.4774, 0.3915.

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

35.8973, 0.4774, 0.3915

Protanopia

35.9938, 0.3966, 0.4325

Deuteranopia

35.8986, 0.4352, 0.4264



Tritanopia

35.9589, 0.4211, 0.3192

Trichromacy



Original Color

35.8973, 0.4774, 0.3915

Protanomaly

35.4283, 0.4267, 0.4167

Deuteranomaly

35.6987, 0.4518, 0.4131

Tritanomaly

36.0204, 0.4440, 0.3472

Monochromacy



Original Color

35.8973, 0.4774, 0.3915

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 35.8973, 0.4774, 0.3915 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, 138, 79)` looks like.

```
.text, #text, p{  
    color:rgb(232, 138, 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, 138, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 138, 79) }
```

Border

The CSS property to change the border of an element to Yxy 35.8973, 0.4774, 0.3915 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, 138, 79) }
```

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

```
.border{ border-color:rgb(232, 138, 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, 138, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 138, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 138, 79);  
box-shadow:4px 4px 4px 4px rgb(232, 138,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8973, 0.4774, 0.3915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 138, 79) }
```

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

```
.background{ background-color: rgb(232,  
138, 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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