

Converting Colors

$Y_{xy}(35.2738, 0.4783, 0.3697)$

Have a look what the booklet for
Yxy(35.2738, 0.4783, 0.3697)
contains.

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Color

Yxy(35.3560, 0.4777, 0.3700)

Conversions

Conversions Part 1

Format	Color
Hex	EF835C
RGB	239, 131, 92
RGB Percent	94%, 51%, 36%
CMY	0.0627, 0.4863, 0.6390
CMYK	0.00, 0.45, 0.61, 0.06
HSL	16°, 82%, 65%
HSV	16°, 61%, 94%
XYZ	45.6475, 35.3560, 14.5533
YIQ	158.8460, 76.8870, 10.7670

Conversions

Conversions Part 2

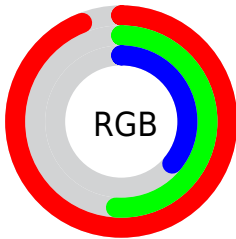
Format	Color
R _Y B	239, 145, 92
Decimal	15696732
CIE Lab	66.02, 38.00, 39.16
CIE LCh	66, 54.571, 45.863
Yxy	35.3560, 0.4777, 0.3700
Android (android.graphics.Color)	4293886812 (0xFFEF835C)
YUV	158.8460, -32.9551, 70.2951
Hunter-Lab	59.4609, 32.9758, 27.1112

Details

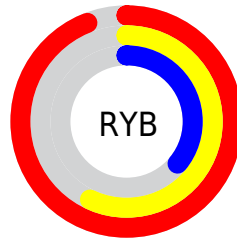
The Yxy color **35.3560, 0.4777, 0.3700** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **49.8402, 0.2264, 0.2774**, and the grayscale version is **34.7266, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.9411, 0.4092, 0.3731**, and **15.2388, 0.5266, 0.3714** is the 20% darker color. If you saturate the color by 10%, you get **30.6785, 0.5167, 0.3721**, and if you desaturate by 10%, it is **40.9689, 0.4405, 0.3651**.

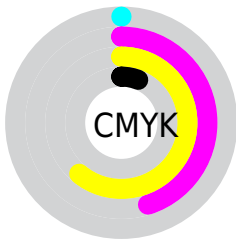
Distribution



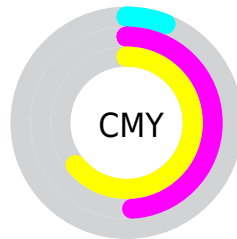
- Red (94%)
- Green (51%)
- Blue (36%)



- Red (94%)
- Yellow (57%)
- Blue (36%)



- Cyan (0%)
- Magenta (45%)
- Yellow (61%)
- Black (6%)





- Cyan (6%)
- Magenta (49%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.3560, 0.4777, 0.3700 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 35.3560, 0.4777, 0.3700 by changing the saturation by 10% instead.


 35.3560, 0.4777,
0.3700

 35.3560, 0.4777,
0.3700


326.1369, 0.3921,
0.3551

 23.9372, 0.4990,
0.3713


 68.0369, 0.4464,
0.3663

 15.2871, 0.5258,
0.3713


 90.0678, 0.4347,
0.3643

 9.0211, 0.5599,
0.3683


 116.4049, 0.4247,
0.3625

 4.7550, 0.6083,
0.3614

 147.4326, 0.4163,
0.3608

 2.1042, 0.6635,
0.3365

183.5353, 0.4090,
0.3592

 0.6670, 0.7281,
0.2719

225.0973, 0.4026,

 0.0000, 1.0000,

0.3577

0.0000

272.5030, 0.3970,
0.3563

■ 0.0000, 0.0000,
0.0000

■ 35.3560, 0.4777,
0.3700

■ 35.3560, 0.4777,
0.3700

■ 30.6785, 0.5167,
0.3721

■ 40.9689, 0.4405,
0.3651

■ 26.8775, 0.5543,
0.3703

■ 47.5603, 0.4070,
0.3586


■ 23.8957, 0.5862,
0.3641

■ 55.1771, 0.3779,
0.3513


■ 21.9463, 0.6070,
0.3562

■ 63.8617, 0.3532,
0.3439

■ 73.6537, 0.3324,
0.3367

 84.5909, 0.3150,
0.3300

 96.4261, 0.3030,
0.3280

 97.0916, 0.3029,
0.3290

Harmonies

Analogous

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



35.3560, 0.4473, 0.3106



35.3560, 0.4777, 0.3700



35.3560, 0.4560, 0.4294

Triad

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



35.3560, 0.4777, 0.3700



35.3560, 0.2442, 0.4178



35.3560, 0.2203, 0.2048

Complementary

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



35.3560, 0.4777, 0.3700



49.8402, 0.2264, 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.



35.3560, 0.1813, 0.2140



35.3560, 0.4777, 0.3700



35.3560, 0.1919, 0.3270

Square

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



35.3560, 0.4777, 0.3700



35.3560, 0.3191, 0.4775



35.3560, 0.1714, 0.2536



35.3560, 0.2878, 0.2209

Rectangle

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



35.3560, 0.4777, 0.3700



35.3560, 0.4194, 0.4628



35.3560, 0.1714, 0.2536



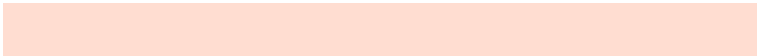
35.3560, 0.2041, 0.2048

Sweetspot

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



35.3579, 0.4777, 0.3700



77.7227, 0.3457, 0.3414



30.2901, 0.3589, 0.2169



15.9516, 0.3520, 0.3435



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.



35.3579, 0.4777, 0.3700



34.2221, 0.5274, 0.3720



61.4903, 0.4221, 0.4420



16.4403, 0.3287, 0.3353



12.3101, 0.6043, 0.3584



1.1817, 0.5787, 0.3787

Inverse Universe

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



49.8402, 0.2264, 0.2774



52.0408, 0.2143, 0.2647



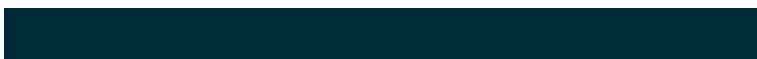
24.1534, 0.2033, 0.1765



17.1786, 0.2981, 0.3226



20.7523, 0.2002, 0.2406



1.8882, 0.2038, 0.2537

Previews

White Background



This preview shows how the Yxy color 35.3560, 0.4777, 0.3700 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 35.3560, 0.4777, 0.3700 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 35.3560, 0.4777, 0.3700

Background



This preview shows how black text looks on a background with the Yxy color 35.3560, 0.4777, 0.3700.



This preview shows how white text looks on a background with the Yxy color 35.3560, 0.4777, 0.3700.

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

35.3560, 0.4777, 0.3700

Protanopia

35.5830, 0.3804, 0.4117

Deuteranopia

35.3409, 0.4231, 0.4138



Tritanopia

35.5482, 0.4356, 0.3196

Trichromacy



Original Color

35.3560, 0.4777, 0.3700

Protanomaly

34.7193, 0.4153, 0.3957

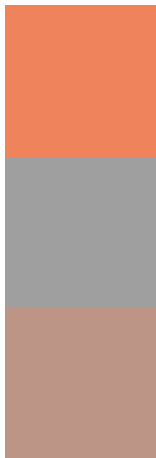
Deuteranomaly

34.9691, 0.4431, 0.3965

Tritanomaly

35.4710, 0.4524, 0.3391

Monochromacy



Original Color

35.3560, 0.4777, 0.3700

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

33.9355, 0.3683, 0.3485

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.3560, 0.4777, 0.3700 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(239, 131, 92)` looks like.

```
.text, #text, p{  
    color:rgb(239, 131, 92)  
}
```

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(239, 131, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 131, 92) }
```

Border

The CSS property to change the border of an element to Yxy 35.3560, 0.4777, 0.3700 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(239, 131, 92) }
```

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

```
.border{ border-color:rgb(239, 131, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 131, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 131, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 131, 92);  
box-shadow:4px 4px 4px 4px rgb(239, 131,  
92) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 35.3560, 0.4777, 0.3700$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 131, 92) }
```

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

```
.background{ background-color: rgb(239,  
131, 92) }
```

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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