

Converting Colors

$Y_{xy}(35.2151, 0.4696, 0.3654)$

Have a look what the booklet for
Yxy(35.2151, 0.4696, 0.3654)
contains.

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Color

Yxy(35.1190, 0.4698, 0.3646)

Conversions

Conversions Part 1

Format	Color
Hex	ED8362
RGB	237, 131, 98
RGB Percent	93%, 51%, 38%
CMY	0.0705, 0.4863, 0.6156
CMYK	0.00, 0.45, 0.59, 0.07
HSL	14°, 79%, 66%
HSV	14°, 59%, 93%
XYZ	45.2521, 35.1190, 15.9509
YIQ	158.9320, 73.7690, 12.2090

Conversions

Conversions Part 2

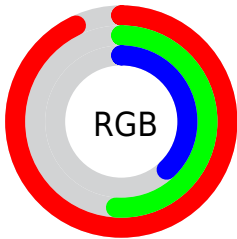
Format	Color
R _Y B	237, 141, 98
Decimal	15565666
CIE Lab	65.84, 37.66, 35.67
CIE LCh	66, 51.874, 43.448
Yxy	35.1190, 0.4698, 0.3646
Android (android.graphics.Color)	4293755746 (0xFFED8362)
YUV	158.9320, -30.0395, 68.4656
Hunter-Lab	59.2613, 32.5958, 25.5242

Details

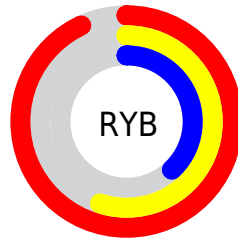
The Yxy color **35.1190, 0.4698, 0.3646** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **51.9181, 0.2306, 0.2856**, and the grayscale version is **34.7536, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.1278, 0.4041, 0.3669**, and **15.0524, 0.5173, 0.3660** is the 20% darker color. If you saturate the color by 10%, you get **30.2979, 0.5098, 0.3671**, and if you desaturate by 10%, it is **40.9236, 0.4325, 0.3598**.

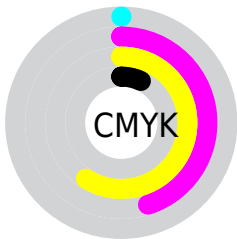
Distribution



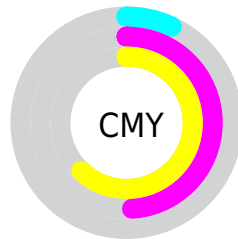
- Red (93%)
- Green (51%)
- Blue (38%)



- Red (93%)
- Yellow (55%)
- Blue (38%)



- Cyan (0%)
- Magenta (45%)
- Yellow (59%)
- Black (7%)





- Cyan (7%)
- Magenta (49%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.1190, 0.4698, 0.3646 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 35.1190, 0.4698, 0.3646 by changing the saturation by 10% instead.


 35.1190, 0.4698,
0.3646


 35.1190, 0.4698,
0.3646


325.0933, 0.3878,
0.3516

 23.7546, 0.4905,
0.3657


 67.6701, 0.4396,
0.3613


 15.1517, 0.5168,
0.3658


 89.6255, 0.4284,
0.3596

 8.9259, 0.5509,
0.3633


 115.8800, 0.4189,
0.3580

 4.6929, 0.5972,
0.3557

 146.8181, 0.4108,
0.3565

 2.0682, 0.6630,
0.3370

182.8240, 0.4039,
0.3552

 0.6467, 0.7292,
0.2708

224.2823, 0.3978,

 0.0000, 1.0000,

0.3539

0.0000

271.5772, 0.3925,
0.3527

0.0000, 0.0000,
0.0000

35.1190, 0.4698,
0.3646

35.1190, 0.4698,
0.3646

30.2979, 0.5098,
0.3671

40.9236, 0.4325,
0.3598

26.3986, 0.5493,
0.3662

47.7577, 0.3994,
0.3537

23.3607, 0.5839,
0.3612

55.6707, 0.3710,
0.3471

21.1103, 0.6098,
0.3527

64.7074, 0.3471,
0.3405

20.8597, 0.6128,
0.3516

74.9099, 0.3272,
0.3342

■ 86.3180, 0.3107,
0.3282

■ 96.7485, 0.3017,
0.3290

Harmonies

Analogous

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



35.1190, 0.4364, 0.3075



35.1190, 0.4698, 0.3646



35.1190, 0.4534, 0.4218

Triad

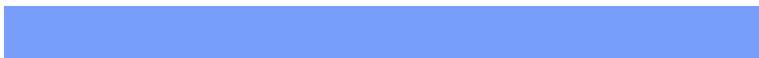
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



35.1190, 0.4698, 0.3646



35.1190, 0.2528, 0.4195



35.1190, 0.2202, 0.2094

Complementary

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



35.1190, 0.4698, 0.3646



51.9181, 0.2306, 0.2856

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.



35.1190, 0.1846, 0.2208



35.1190, 0.4698, 0.3646



35.1190, 0.2000, 0.3344

Square

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



35.1190, 0.4698, 0.3646



35.1190, 0.3257, 0.4719



35.1190, 0.1774, 0.2619



35.1190, 0.2831, 0.2231

Rectangle

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



35.1190, 0.4698, 0.3646



35.1190, 0.4203, 0.4542



35.1190, 0.1774, 0.2619



35.1190, 0.2051, 0.2102

Sweetspot

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



35.1208, 0.4698, 0.3646



77.0496, 0.3459, 0.3401



31.1334, 0.3534, 0.2188



15.7897, 0.3523, 0.3420



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.



35.1208, 0.4698, 0.3646



34.9469, 0.5163, 0.3672



60.1771, 0.4184, 0.4358



15.6342, 0.3287, 0.3347



11.5543, 0.6102, 0.3537



1.0522, 0.5835, 0.3749

Inverse Universe

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



51.9181, 0.2306, 0.2856



56.1894, 0.2194, 0.2754



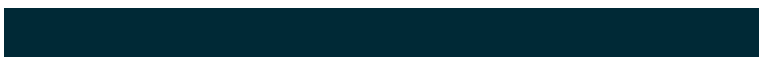
26.0632, 0.2091, 0.1879



16.4809, 0.2981, 0.3233



21.5423, 0.2029, 0.2506



1.8373, 0.2063, 0.2627

Previews

White Background



This preview shows how the Yxy color 35.1190, 0.4698, 0.3646 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 35.1190, 0.4698, 0.3646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

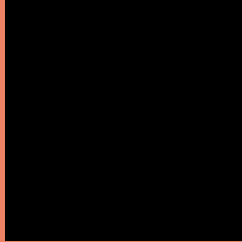
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.1190, 0.4698, 0.3646

Background



This preview shows how black text looks on a background with the Yxy color 35.1190, 0.4698, 0.3646.



This preview shows how white text looks on a background with the Yxy color 35.1190, 0.4698, 0.3646.

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

35.1190, 0.4698, 0.3646

Protanopia

35.2661, 0.3735, 0.4010

Deuteranopia

35.1927, 0.4148, 0.4064



Tritanopia

35.0217, 0.4326, 0.3194

Trichromacy



Original Color

35.1190, 0.4698, 0.3646

Protanomaly

34.4058, 0.4081, 0.3860

Deuteranomaly

34.7787, 0.4354, 0.3906

Tritanomaly

35.0206, 0.4460, 0.3360

Monochromacy



Original Color

35.1190, 0.4698, 0.3646

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

33.8658, 0.3651, 0.3458

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.1190, 0.4698, 0.3646 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(237, 131, 98)` looks like.

```
.text, #text, p{  
    color:rgb(237, 131, 98)  
}
```

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(237, 131, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 131, 98) }
```

Border

The CSS property to change the border of an element to Yxy 35.1190, 0.4698, 0.3646 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(237, 131, 98) }
```

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

```
.border{ border-color:rgb(237, 131, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 131, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 131, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 131, 98);  
box-shadow:4px 4px 4px 4px rgb(237, 131,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 35.1190, 0.4698, 0.3646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 131, 98) }
```

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

```
.background{ background-color: rgb(237,  
131, 98) }
```

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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