

Converting Colors

$Y_{xy}(36.9080, 0.4667, 0.3864)$

Have a look what the booklet for
Yxy(36.9080, 0.4667, 0.3864)
contains.

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Color

Yxy(36.9101, 0.4667, 0.3866)

Conversions

Conversions Part 1

Format	Color
Hex	E88D58
RGB	232, 141, 88
RGB Percent	91%, 55%, 35%
CMY	0.0903, 0.4470, 0.6549
CMYK	0.00, 0.39, 0.62, 0.09
HSL	22°, 76%, 63%
HSV	22°, 62%, 91%
XYZ	44.5575, 36.9101, 14.0060
YIQ	162.1670, 71.2490, 2.8090

Conversions

Conversions Part 2

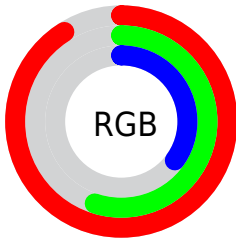
Format	Color
R _Y B	232, 172, 88
Decimal	15240536
CIE Lab	67.21, 29.75, 42.51
CIE LCh	67, 51.885, 55.007
Yxy	36.9101, 0.4667, 0.3866
Android (android.graphics.Color)	4293430616 (0xFFE88D58)
YUV	162.1670, -36.5643, 61.2435
Hunter-Lab	60.7537, 24.5953, 28.8590

Details

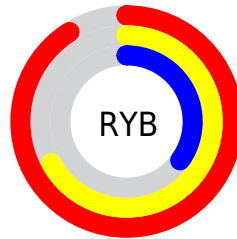
The Yxy color **36.9101, 0.4667, 0.3866** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **40.1134, 0.2209, 0.2554**, and the grayscale version is **36.3646, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.1543, 0.4075, 0.3871**, and **16.2362, 0.5095, 0.3929** is the 20% darker color. If you saturate the color by 10%, you get **32.5469, 0.5008, 0.3906**, and if you desaturate by 10%, it is **41.9711, 0.4338, 0.3794**.

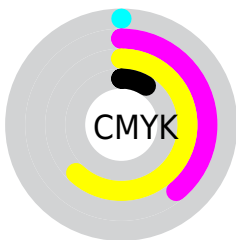
Distribution



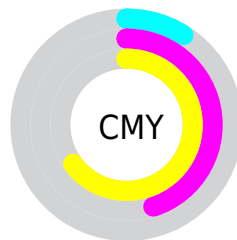
- Red (91%)
- Green (55%)
- Blue (35%)



- Red (91%)
- Yellow (67%)
- Blue (35%)



- Cyan (0%)
- Magenta (39%)
- Yellow (62%)
- Black (9%)





- Cyan (9%)
- Magenta (45%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.9101, 0.4667, 0.3866 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 36.9101, 0.4667, 0.3866 by changing the saturation by 10% instead.


 36.9101, 0.4667,
0.3866


 36.9101, 0.4667,
0.3866


332.9211, 0.3878,
0.3629

 25.1379, 0.4859,
0.3901


 70.4345, 0.4381,
0.3796

 16.1798, 0.5098,
0.3930


 92.9555, 0.4273,
0.3765


 9.6515, 0.5398,
0.3939


 119.8282, 0.4182,
0.3736

 5.1685, 0.5832,
0.3933

 151.4370, 0.4104,
0.3710

 2.3465, 0.6262,
0.3738

 188.1663, 0.4036,
0.3687

 0.7981, 0.6757,
0.3243

230.4005, 0.3976,

 0.0000, 1.0000,

0.3666

0.0000

278.5240, 0.3924,
0.3646

0.0000, 0.0000,
0.0000

36.9101, 0.4667,
0.3866

36.9101, 0.4667,
0.3866

32.5469, 0.5008,
0.3906

41.9711, 0.4338,
0.3794

28.8414, 0.5336,
0.3901

47.7557, 0.4035,
0.3703

25.7574, 0.5622,
0.3845

54.2953, 0.3766,
0.3603

23.7179, 0.5809,
0.3769

61.6172, 0.3532,
0.3501

69.7477, 0.3331,
0.3402

■ 78.7115, 0.3159,
0.3309

■ 88.5322, 0.3013,
0.3222

■ 95.8908, 0.2987,
0.3290

Harmonies

Analogous

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



36.9101, 0.4528, 0.3292



36.9101, 0.4667, 0.3866



36.9101, 0.4344, 0.4402

Triad

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



36.9101, 0.4667, 0.3866



36.9101, 0.2305, 0.3868



36.9101, 0.2424, 0.2135

Complementary

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



36.9101, 0.4667, 0.3866



40.1134, 0.2209, 0.2554

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.



36.9101, 0.1965, 0.2148



36.9101, 0.4667, 0.3866



36.9101, 0.1894, 0.3038

Square

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



36.9101, 0.4667, 0.3866



36.9101, 0.2968, 0.4560



36.9101, 0.1786, 0.2436



36.9101, 0.3132, 0.2355

Rectangle

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



36.9101, 0.4667, 0.3866



36.9101, 0.3947, 0.4656



36.9101, 0.1786, 0.2436



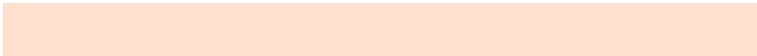
36.9101, 0.2241, 0.2111

Sweetspot

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



36.9120, 0.4667, 0.3866



79.2675, 0.3469, 0.3471



27.3905, 0.3807, 0.2322



16.3680, 0.3530, 0.3500



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.



36.9120, 0.4667, 0.3866



39.2106, 0.5086, 0.3909



65.3294, 0.4114, 0.4574



15.2330, 0.3283, 0.3377



13.3914, 0.5780, 0.3793



1.1623, 0.5504, 0.4012

Inverse Universe

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



40.1134, 0.2209, 0.2554



43.2937, 0.2075, 0.2378



18.4533, 0.1973, 0.1526



15.3970, 0.2981, 0.3201



14.9893, 0.1900, 0.2040



1.2836, 0.1956, 0.2242

Previews

White Background



This preview shows how the Yxy color 36.9101, 0.4667, 0.3866 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 36.9101, 0.4667, 0.3866 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 36.9101, 0.4667, 0.3866

Background



This preview shows how black text looks on a background with the Yxy color 36.9101, 0.4667, 0.3866.



This preview shows how white text looks on a background with the Yxy color 36.9101, 0.4667, 0.3866.

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

36.9101, 0.4667, 0.3866

Protanopia

37.0987, 0.3899, 0.4229

Deuteranopia

36.8503, 0.4265, 0.4178



Tritanopia

36.8967, 0.4150, 0.3180

Trichromacy



Original Color

36.9101, 0.4667, 0.3866

Protanomaly

36.7094, 0.4176, 0.4097

Deuteranomaly

36.8022, 0.4408, 0.4066

Tritanomaly

37.0087, 0.4354, 0.3440

Monochromacy



Original Color

36.9101, 0.4667, 0.3866

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

35.4253, 0.3654, 0.3554

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9101, 0.4667, 0.3866 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, 141, 88)` looks like.

```
.text, #text, p{  
    color:rgb(232, 141, 88)  
}
```

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, 141, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 141, 88) }
```

Border

The CSS property to change the border of an element to Yxy 36.9101, 0.4667, 0.3866 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, 141, 88) }
```

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

```
.border{ border-color:rgb(232, 141, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 141, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 141, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 141, 88);  
box-shadow:4px 4px 4px 4px rgb(232, 141,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9101, 0.4667, 0.3866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 141, 88) }
```

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

```
.background{ background-color: rgb(232,  
141, 88) }
```

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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