

Converting Colors

$Yxy(36.6887, 0.4702, 0.3868)$

Have a look what the booklet for
Yxy(36.6887, 0.4702, 0.3868)
contains.

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Color

Yxy(36.7517, 0.4703, 0.3870)

Conversions

Conversions Part 1

Format	Color
Hex	E98C56
RGB	233, 140, 86
RGB Percent	91%, 55%, 34%
CMY	0.0863, 0.4510, 0.6626
CMYK	0.00, 0.40, 0.63, 0.09
HSL	22°, 77%, 63%
HSV	22°, 63%, 91%
XYZ	44.6623, 36.7517, 13.5516
YIQ	161.6510, 72.7620, 2.9220

Conversions

Conversions Part 2

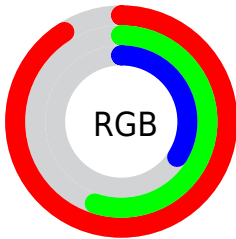
Format	Color
R_{YB}	233, 171, 86
Decimal	15305814
CIE _{Lab}	67.09, 30.57, 43.40
CIE _{LCh}	67, 53.090, 54.840
Yxy	36.7517, 0.4703, 0.3870
Android (android.graphics.Color)	4293495894 (0xFFE98C56)
YUV	161.6510, -37.2959, 62.5731
Hunter-Lab	60.6232, 25.4140, 29.1826

Details

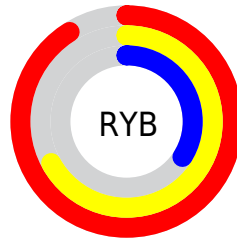
The Yxy color **36.7517, 0.4703, 0.3870** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **40.1141, 0.2197, 0.2542**, and the grayscale version is **36.1144, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.6497, 0.4095, 0.3881**, and **16.1689, 0.5139, 0.3928** is the 20% darker color. If you saturate the color by 10%, you get **32.4130, 0.5044, 0.3906**, and if you desaturate by 10%, it is **41.7939, 0.4371, 0.3801**.

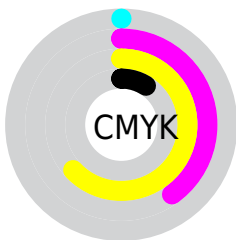
Distribution



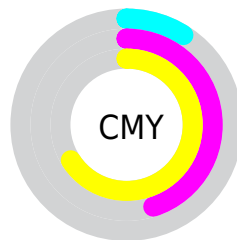
- Red (91%)
- Green (55%)
- Blue (34%)



- Red (91%)
- Yellow (67%)
- Blue (34%)



- Cyan (0%)
- Magenta (40%)
- Yellow (63%)
- Black (9%)





- Cyan (9%)
- Magenta (45%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7517, 0.4703, 0.3870 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 36.7517, 0.4703, 0.3870 by changing the saturation by 10% instead.

 36.7517, 0.4703,
0.3870


 36.7517, 0.4703,
0.3870


332.2343, 0.3896,
0.3634

 25.0153, 0.4899,
0.3904


 70.1907, 0.4411,
0.3801


 16.0885, 0.5142,
0.3930


 92.6622, 0.4301,
0.3770

 9.5868, 0.5445,
0.3933


 119.4807, 0.4207,
0.3742

 5.1258, 0.5896,
0.3927

 151.0308, 0.4127,
0.3716

 2.3213, 0.6299,
0.3701

 187.6968, 0.4058,
0.3692

 0.7849, 0.6808,
0.3192

229.8631, 0.3997,

 0.0000, 1.0000,

0.3671

0.0000

277.9141, 0.3944,
0.3652

■ 0.0000, 0.0000,
0.0000

■ 36.7517, 0.4703,
0.3870

■ 36.7517, 0.4703,
0.3870

■ 32.4130, 0.5044,
0.3906

■ 41.7939, 0.4371,
0.3801

■ 28.7369, 0.5370,
0.3896

■ 47.5660, 0.4065,
0.3712

■ 25.6860, 0.5650,
0.3833

■ 54.1001, 0.3792,
0.3612

■ 23.9093, 0.5813,
0.3767

■ 61.4243, 0.3554,
0.3511

■ 69.5651, 0.3350,
0.3412

■ 78.5478, 0.3175,
0.3318

■ 88.3966, 0.3027,
0.3230

■ 96.0629, 0.2993,
0.3290

Harmonies

Analogous

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



36.7517, 0.4561, 0.3286



36.7517, 0.4703, 0.3870



36.7517, 0.4371, 0.4420

Triad

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



36.7517, 0.4703, 0.3870



36.7517, 0.2288, 0.3888



36.7517, 0.2405, 0.2111

Complementary

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



36.7517, 0.4703, 0.3870



40.1141, 0.2197, 0.2542

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.



36.7517, 0.1940, 0.2124



36.7517, 0.4703, 0.3870



36.7517, 0.1869, 0.3033

Square

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



36.7517, 0.4703, 0.3870



36.7517, 0.2966, 0.4598



36.7517, 0.1758, 0.2418



36.7517, 0.3126, 0.2334

Rectangle

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



36.7517, 0.4703, 0.3870



36.7517, 0.3966, 0.4686



36.7517, 0.1758, 0.2418



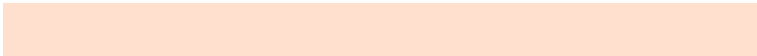
36.7517, 0.2218, 0.2087

Sweetspot

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



36.7536, 0.4703, 0.3870



79.2388, 0.3469, 0.3471



27.2437, 0.3823, 0.2310



16.3611, 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.



36.7536, 0.4703, 0.3870



38.2025, 0.5155, 0.3908



65.7861, 0.4128, 0.4589



15.9599, 0.3284, 0.3377



13.7836, 0.5785, 0.3789



1.2605, 0.5523, 0.3997

Inverse Universe

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



40.1141, 0.2197, 0.2542



42.4283, 0.2057, 0.2352



18.0956, 0.1954, 0.1494



16.1378, 0.2981, 0.3201



15.4998, 0.1901, 0.2042



1.3996, 0.1954, 0.2234

Previews

White Background



This preview shows how the Yxy color 36.7517, 0.4703, 0.3870 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 36.7517, 0.4703, 0.3870 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 36.7517, 0.4703, 0.3870

Background



This preview shows how black text looks on a background with the Yxy color 36.7517, 0.4703, 0.3870.



This preview shows how white text looks on a background with the Yxy color 36.7517, 0.4703, 0.3870.

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

36.7517, 0.4703, 0.3870

Protanopia

37.0624, 0.3916, 0.4254

Deuteranopia

36.8036, 0.4290, 0.4210



Tritanopia

36.7628, 0.4177, 0.3181

Trichromacy



Original Color

36.7517, 0.4703, 0.3870

Protanomaly

36.3401, 0.4201, 0.4108

Deuteranomaly

36.5834, 0.4452, 0.4081

Tritanomaly

36.8463, 0.4392, 0.3450

Monochromacy



Original Color

36.7517, 0.4703, 0.3870

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

35.5238, 0.3674, 0.3567

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7517, 0.4703, 0.3870 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(233, 140, 86)` looks like.

```
.text, #text, p{  
    color:rgb(233, 140, 86)  
}
```

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(233, 140, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 140, 86) }
```

Border

The CSS property to change the border of an element to Yxy 36.7517, 0.4703, 0.3870 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(233, 140, 86) }
```

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

```
.border{ border-color:rgb(233, 140, 86) }
```

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

Here you see how a box with a 4 pixel rgb(233, 140, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 140, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 140, 86);  
box-shadow:4px 4px 4px 4px rgb(233, 140,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7517, 0.4703, 0.3870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 140, 86) }
```

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

```
.background{ background-color: rgb(233,  
140, 86) }
```

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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