

Converting Colors

$Y_{xy}(35.5203, 0.4736, 0.3949)$

Have a look what the booklet for
Yxy(35.5203, 0.4736, 0.3949)
contains.

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Color

Yxy(35.5093, 0.4737, 0.3949)

Conversions

Conversions Part 1

Format	Color
Hex	E48B4E
RGB	228, 139, 78
RGB Percent	89%, 55%, 31%
CMY	0.1060, 0.4548, 0.6941
CMYK	0.00, 0.39, 0.66, 0.11
HSL	24°, 74%, 60%
HSV	24°, 66%, 89%
XYZ	42.5950, 35.5093, 11.8155
YIQ	158.6570, 72.6250, -0.1030

Conversions

Conversions Part 2

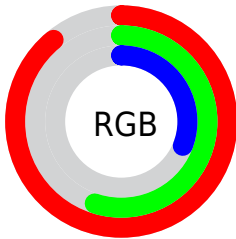
Format	Color
R_{YB}	228, 181, 78
Decimal	14977870
CIE Lab	66.14, 28.56, 46.23
CIE LCh	66, 54.342, 58.292
Yxy	35.5093, 0.4737, 0.3949
Android (android.graphics.Color)	4293167950 (0xFFE48B4E)
YUV	158.6570, -39.7639, 60.8138
Hunter-Lab	59.5897, 23.3107, 29.9567

Details

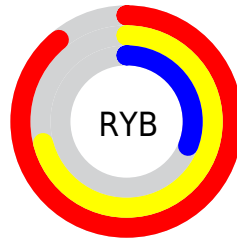
The Yxy color **35.5093, 0.4737, 0.3949** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **34.8337, 0.2145, 0.2415**, and the grayscale version is **34.6677, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.9849, 0.4162, 0.3950**, and **15.3930, 0.5180, 0.4015** is the 20% darker color. If you saturate the color by 10%, you get **31.5619, 0.5056, 0.3982**, and if you desaturate by 10%, it is **40.0579, 0.4419, 0.3878**.

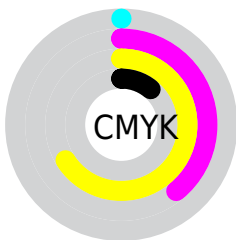
Distribution



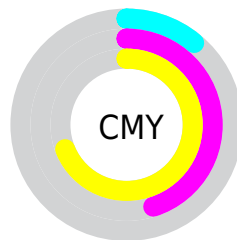
- Red (89%)
- Green (55%)
- Blue (31%)



- Red (89%)
- Yellow (71%)
- Blue (31%)



- Cyan (0%)
- Magenta (39%)
- Yellow (66%)
- Black (11%)




- Cyan (11%)
- Magenta (45%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.5093, 0.4737, 0.3949 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 35.5093, 0.4737, 0.3949 by changing the saturation by 10% instead.


 35.5093, 0.4737,
0.3949


 35.5093, 0.4737,
0.3949


326.8107, 0.3914,
0.3677

 24.0555, 0.4934,
0.3988


 68.2740, 0.4441,
0.3869

 15.3748, 0.5177,
0.4019


 90.3537, 0.4328,
0.3833


 9.0828, 0.5475,
0.4023


 116.7440, 0.4232,
0.3800

 4.7952, 0.5956,
0.4044

 147.8295, 0.4150,
0.3771

 2.1276, 0.6252,
0.3748

 183.9946, 0.4079,
0.3744

 0.6801, 0.6807,
0.3193

225.6235, 0.4017,

 0.0000, 1.0000,

0.3719

0.0000

273.1007, 0.3963,
0.3697

0.0000, 0.0000,
0.0000

35.5093, 0.4737,
0.3949

35.5093, 0.4737,
0.3949

31.5619, 0.5056,
0.3982

40.0579, 0.4419,
0.3878

28.1803, 0.5354,
0.3966

45.2295, 0.4119,
0.3784

25.3325, 0.5605,
0.3896

51.0510, 0.3848,
0.3676

24.2769, 0.5700,
0.3857

57.5461, 0.3608,
0.3564

64.7372, 0.3399,
0.3454

■ 72.6454, 0.3219,
0.3348

■ 81.2909, 0.3065,
0.3249

■ 90.3425, 0.2963,
0.3211

■ 95.2287, 0.2964,
0.3290

Harmonies

Analogous

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



35.5093, 0.4655, 0.3348



35.5093, 0.4737, 0.3949



35.5093, 0.4343, 0.4507

Triad

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



35.5093, 0.4737, 0.3949



35.5093, 0.2194, 0.3804



35.5093, 0.2454, 0.2092

Complementary

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



35.5093, 0.4737, 0.3949



34.8337, 0.2145, 0.2415

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.



35.5093, 0.1945, 0.2074



35.5093, 0.4737, 0.3949



35.5093, 0.1802, 0.2931

Square

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



35.5093, 0.4737, 0.3949



35.5093, 0.2867, 0.4590



35.5093, 0.1726, 0.2337



35.5093, 0.3222, 0.2346

Rectangle

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



35.5093, 0.4737, 0.3949



35.5093, 0.3904, 0.4763



35.5093, 0.1726, 0.2337



35.5093, 0.2252, 0.2058

Sweetspot

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



35.5111, 0.4737, 0.3949



79.3371, 0.3486, 0.3501



24.7631, 0.3935, 0.2333



16.4243, 0.3546, 0.3532



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.



35.5111, 0.4737, 0.3949



38.9979, 0.5171, 0.3982



64.6122, 0.4128, 0.4668



15.3262, 0.3282, 0.3386



14.2420, 0.5673, 0.3878



1.2311, 0.5408, 0.4088

Inverse Universe

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



34.8337, 0.2145, 0.2415



37.8874, 0.2000, 0.2197



15.0465, 0.1892, 0.1352



15.3011, 0.2981, 0.3192



13.5139, 0.1862, 0.1902



1.1801, 0.1924, 0.2126

Previews

White Background



This preview shows how the Yxy color 35.5093, 0.4737, 0.3949 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 35.5093, 0.4737, 0.3949 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

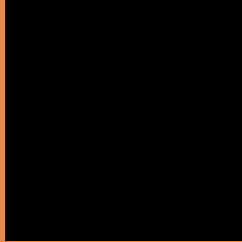
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.5093, 0.4737, 0.3949

Background



This preview shows how black text looks on a background with the Yxy color 35.5093, 0.4737, 0.3949.



This preview shows how white text looks on a background with the Yxy color 35.5093, 0.4737, 0.3949.

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

35.5093, 0.4737, 0.3949

Protanopia

35.6106, 0.3989, 0.4338

Deuteranopia

35.4326, 0.4351, 0.4257



Tritanopia

35.5814, 0.4154, 0.3190

Trichromacy



Original Color

35.5093, 0.4737, 0.3949

Protanomaly

35.1274, 0.4263, 0.4197

Deuteranomaly

35.4032, 0.4499, 0.4140

Tritanomaly

35.6249, 0.4394, 0.3487

Monochromacy



Original Color

35.5093, 0.4737, 0.3949

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

34.2585, 0.3680, 0.3600

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.5093, 0.4737, 0.3949 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(228, 139, 78)` looks like.

```
.text, #text, p{  
    color:rgb(228, 139, 78)  
}
```

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(228, 139, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 139, 78) }
```

Border

The CSS property to change the border of an element to Yxy 35.5093, 0.4737, 0.3949 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(228, 139, 78) }
```

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

```
.border{ border-color:rgb(228, 139, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 139, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 139, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 139, 78);  
box-shadow:4px 4px 4px 4px rgb(228, 139,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 35.5093, 0.4737, 0.3949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 139, 78) }
```

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

```
.background{ background-color: rgb(228,  
139, 78) }
```

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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