

Converting Colors

$Y_{xy}(30.3464, 0.5432, 0.4069)$

Have a look what the booklet for
Yxy(30.3464, 0.5432, 0.4069)
contains.

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Color

Yxy(30.3847, 0.5436, 0.4066)

Conversions

Conversions Part 1

Format	Color
Hex	EB7500
RGB	235, 117, 0
RGB Percent	92%, 46%, 0%
CMY	0.0784, 0.5412, 1.0000
CMYK	0.00, 0.50, 1.00, 0.08
HSL	30°, 100%, 46%
HSV	30°, 100%, 92%
XYZ	40.6225, 30.3847, 3.7215
YIQ	138.9440, 107.8850, -11.3710

Conversions

Conversions Part 2

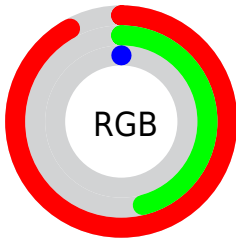
Format	Color
R _Y B	235, 233, 0
Decimal	15430912
CIE Lab	61.98, 40.49, 69.55
CIE LCh	62, 80.477, 59.795
Yxy	30.3847, 0.5436, 0.4066
Android (android.graphics.Color)	4293620992 (0xFFEB7500)
YUV	138.9440, -68.4994, 84.2411
Hunter-Lab	55.1223, 35.0820, 34.5828

Details

The Yxy color **30.3847, 0.5436, 0.4066** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **18.9541, 0.1767, 0.1559**, and the grayscale version is **26.0352, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.8155, 0.4734, 0.4230**, and **12.6671, 0.5733, 0.3830** is the 20% darker color. If you saturate the color by 10%, you get **30.3865, 0.5436, 0.4066**, and if you desaturate by 10%, it is **33.3758, 0.5237, 0.4137**.

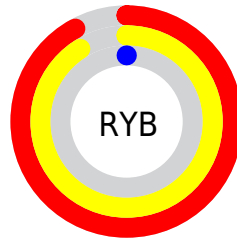
Distribution



Red (92%)

Green (46%)

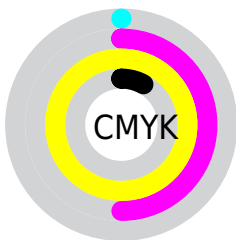
Blue (0%)



Red (92%)

Yellow (91%)

Blue (0%)

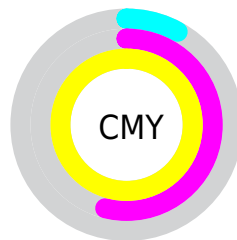


Cyan (0%)

Magenta (50%)

Yellow (100%)

Black (8%)



Cyan (8%)


Magenta (54%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.3847, 0.5436, 0.4066 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 30.3847, 0.5436, 0.4066 by changing the saturation by 10% instead.


 30.3847, 0.5436,
0.4066


 30.3847, 0.5436,
0.4066


303.6935, 0.4309,
0.3851


 20.1308, 0.5663,
0.4041


 60.2700, 0.5059,
0.4044


 12.4901, 0.5948,
0.3989

 80.6702, 0.4906,
0.4019


 7.0784, 0.6191,
0.3809


 105.2213, 0.4772,
0.3990

 3.5112, 0.6484,
0.3516

 134.3076, 0.4655,
0.3960

 1.4041, 0.6937,
0.3063

 168.3136, 0.4552,
0.3931

 0.2197, 0.8505,
0.1495

 207.6237, 0.4462,


 0.0000, 1.0000,

0.3903

0.0000


 252.6222, 0.4381,
0.3876


 0.0000, 0.0000,
0.0000

 30.3847, 0.5436,
0.4066

 30.3847, 0.5436,
0.4066


 30.3865, 0.5436,
0.4066

 33.3758, 0.5237,
0.4137

 36.8013, 0.4999,
0.4158

 40.6992, 0.4732,
0.4126

 45.0948, 0.4453,
0.4049

 50.0109, 0.4179,
0.3942

■ 55.4682, 0.3921,
0.3815

■ 61.4860, 0.3686,
0.3681

■ 68.0823, 0.3475,
0.3546

■ 75.2744, 0.3290,
0.3414

Harmonies

Analogous

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



30.3847, 0.5486, 0.3276



30.3847, 0.5436, 0.4066



30.3847, 0.4710, 0.4942

Triad

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



30.3847, 0.5436, 0.4066



30.3847, 0.1673, 0.4000



30.3847, 0.2165, 0.1626

Complementary

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



30.3847, 0.5436, 0.4066



18.9541, 0.1767, 0.1559

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.



30.3847, 0.1482, 0.1564



30.3847, 0.5436, 0.4066



30.3847, 0.1227, 0.2597

Square

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



30.3847, 0.5436, 0.4066



30.3847, 0.2569, 0.5418



30.3847, 0.1187, 0.1835



30.3847, 0.3296, 0.1973

Rectangle

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



30.3847, 0.5436, 0.4066



30.3847, 0.4034, 0.5470



30.3847, 0.1187, 0.1835



30.3847, 0.1888, 0.1572

Sweetspot

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



30.3865, 0.5436, 0.4066



73.9085, 0.3689, 0.3683



19.0532, 0.4920, 0.2484



15.1458, 0.3786, 0.3740



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.



30.3865, 0.5436, 0.4066



36.4293, 0.5442, 0.4061



74.8620, 0.4223, 0.5029



16.2930, 0.3280, 0.3408



17.1664, 0.5411, 0.4086



1.5403, 0.5198, 0.4255

Inverse Universe

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



18.9541, 0.1767, 0.1559



22.6679, 0.1765, 0.1552



6.0833, 0.1502, 0.0608



15.7988, 0.2981, 0.3170



10.8044, 0.1774, 0.1587



1.0409, 0.1844, 0.1837

Previews

White Background



This preview shows how the Yxy color 30.3847, 0.5436, 0.4066 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 30.3847, 0.5436, 0.4066 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 30.3847, 0.5436, 0.4066

Background



This preview shows how black text looks on a background with the Yxy color 30.3847, 0.5436, 0.4066.



This preview shows how white text looks on a background with the Yxy color 30.3847, 0.5436, 0.4066.

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

30.3847, 0.5436, 0.4066

Protanopia

30.6224, 0.4351, 0.4834

Deuteranopia

30.5921, 0.4712, 0.4641



Tritanopia

30.3754, 0.4652, 0.3220

Trichromacy



Original Color

30.3847, 0.5436, 0.4066

Protanomaly

29.8318, 0.4770, 0.4546

Deuteranomaly

30.1720, 0.4983, 0.4425

Tritanomaly

30.0873, 0.5109, 0.3664

Monochromacy



Original Color

30.3847, 0.5436, 0.4066

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

25.9359, 0.4137, 0.3926

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.3847, 0.5436, 0.4066 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(235, 117, 0)` looks like.

```
.text, #text, p{  
    color:rgb(235, 117, 0)  
}
```

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(235, 117, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 117, 0) }
```

Border

The CSS property to change the border of an element to Yxy 30.3847, 0.5436, 0.4066 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(235, 117, 0) }
```

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

```
.border{ border-color:rgb(235, 117, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 117, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 117, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 117, 0);  
box-shadow:4px 4px 4px 4px rgb(235, 117,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 30.3847, 0.5436, 0.4066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 117, 0) }
```

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

```
.background{ background-color: rgb(235,  
117, 0) }
```

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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