

Converting Colors

$Yxy(36.6840, 0.5045, 0.4194)$

Have a look what the booklet for
Yxy(36.6840, 0.5045, 0.4194)
contains.

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Color

Yxy(36.5648, 0.5045, 0.4192)

Conversions

Conversions Part 1

Format	Color
Hex	EB8C27
RGB	235, 140, 39
RGB Percent	92%, 55%, 15%
CMY	0.0784, 0.4510, 0.8472
CMYK	0.00, 0.40, 0.83, 0.08
HSL	31°, 83%, 54%
HSV	31°, 83%, 92%
XYZ	44.0051, 36.5648, 6.6553
YIQ	156.8910, 89.0410, -11.2710

Conversions

Conversions Part 2

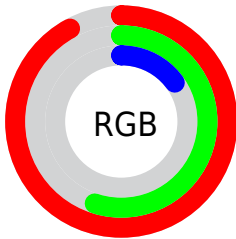
Format	Color
R _Y B	223, 235, 39
Decimal	15436839
CIE Lab	66.95, 29.26, 64.23
CIE LCh	67, 70.585, 65.506
Yxy	36.5648, 0.5045, 0.4192
Android (android.graphics.Color)	4293626919 (0xFFEB8C27)
YUV	156.8910, -58.1203, 68.5016
Hunter-Lab	60.4688, 24.0797, 35.8026

Details

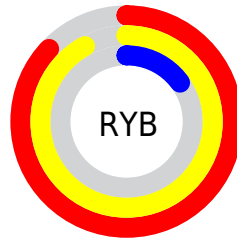
The Yxy color **36.5648, 0.5045, 0.4192** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **23.4703, 0.1878, 0.1810**, and the grayscale version is **33.9018, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.6517, 0.4399, 0.4265**, and **16.0290, 0.5358, 0.4128** is the 20% darker color. If you saturate the color by 10%, you get **33.2984, 0.5261, 0.4156**, and if you desaturate by 10%, it is **40.2758, 0.4795, 0.4173**.

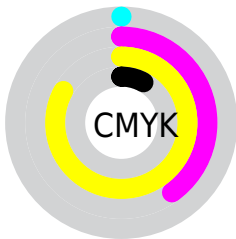
Distribution



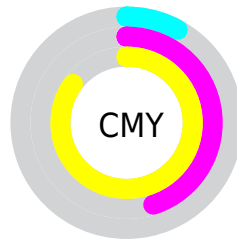
- Red (92%)
- Green (55%)
- Blue (15%)



- Red (87%)
- Yellow (92%)
- Blue (15%)



- Cyan (0%)
- Magenta (40%)
- Yellow (83%)
- Black (8%)





- Cyan (8%)
- Magenta (45%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.5648, 0.5045, 0.4192 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 36.5648, 0.5045, 0.4192 by changing the saturation by 10% instead.


 36.5648, 0.5045,
0.4192


 36.5648, 0.5045,
0.4192


331.4225, 0.4115,
0.3857


 24.8707, 0.5240,
0.4221


 69.9029, 0.4729,
0.4108


 15.9808, 0.5461,
0.4226


 92.3158, 0.4603,
0.4065


 9.5105, 0.5772,
0.4228


 119.0703, 0.4493,
0.4023

 5.0757, 0.5962,
0.4038

 150.5510, 0.4398,
0.3985

 2.2917, 0.6251,
0.3749

 187.1421, 0.4314,
0.3949

 0.7693, 0.6755,
0.3245

 229.2282, 0.4239,

 0.0000, 1.0000,

0.3915

0.0000

277.1935, 0.4174,
0.3885

■ 0.0000, 0.0000,
0.0000

■ 36.5648, 0.5045,
0.4192

■ 36.5648, 0.5045,
0.4192

■ 33.2984, 0.5261,
0.4156

■ 40.2758, 0.4795,
0.4173


■ 31.3662, 0.5384,
0.4107

■ 44.4511, 0.4527,
0.4107

■ 49.1148, 0.4257,
0.4004


■ 54.2872, 0.3998,
0.3879

■ 59.9871, 0.3759,
0.3742

 66.2318, 0.3542,
0.3602

 73.0378, 0.3350,
0.3464

 80.4209, 0.3180,
0.3333

 88.3959, 0.3032,
0.3210

Harmonies

Analogous

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



36.5648, 0.5158, 0.3470



36.5648, 0.5045, 0.4192



36.5648, 0.4398, 0.4900

Triad

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



36.5648, 0.5045, 0.4192



36.5648, 0.1797, 0.3644



36.5648, 0.2476, 0.1881

Complementary

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



36.5648, 0.5045, 0.4192



23.4703, 0.1878, 0.1810

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.



36.5648, 0.1790, 0.1780



36.5648, 0.5045, 0.4192



36.5648, 0.1448, 0.2577

Square

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



36.5648, 0.5045, 0.4192



36.5648, 0.2532, 0.4825



36.5648, 0.1457, 0.1981



36.5648, 0.3496, 0.2240

Rectangle

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



36.5648, 0.5045, 0.4192



36.5648, 0.3804, 0.5225



36.5648, 0.1457, 0.1981



36.5648, 0.2206, 0.1817

Sweetspot

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



36.5667, 0.5045, 0.4192



78.4015, 0.3577, 0.3626



20.9173, 0.4591, 0.2431



16.2056, 0.3652, 0.3675



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.



36.5667, 0.5045, 0.4192



37.6078, 0.5390, 0.4102



77.2254, 0.4151, 0.4983



16.3381, 0.3280, 0.3412



17.7137, 0.5360, 0.4126



1.5835, 0.5155, 0.4289

Inverse Universe

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



23.4703, 0.1878, 0.1810



21.5282, 0.1748, 0.1493



7.8784, 0.1597, 0.0760



15.7538, 0.2981, 0.3165



10.2744, 0.1758, 0.1529



0.9987, 0.1829, 0.1785

Previews

White Background



This preview shows how the Yxy color 36.5648, 0.5045, 0.4192 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 36.5648, 0.5045, 0.4192 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 36.5648, 0.5045, 0.4192

Background



This preview shows how black text looks on a background with the Yxy color 36.5648, 0.5045, 0.4192.



This preview shows how white text looks on a background with the Yxy color 36.5648, 0.5045, 0.4192.

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

36.5648, 0.5045, 0.4192

Protanopia

36.8077, 0.4271, 0.4724

Deuteranopia

36.6634, 0.4650, 0.4555



Tritanopia

36.6513, 0.4251, 0.3194

Trichromacy



Original Color

36.5648, 0.5045, 0.4192

Protanomaly

36.1737, 0.4563, 0.4520

Deuteranomaly

36.6799, 0.4797, 0.4420

Tritanomaly

36.2066, 0.4631, 0.3627

Monochromacy



Original Color

36.5648, 0.5045, 0.4192

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

33.6624, 0.3859, 0.3808

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.5648, 0.5045, 0.4192 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, 140, 39)` looks like.

```
.text, #text, p{  
    color:rgb(235, 140, 39)  
}
```

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, 140, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 140, 39) }
```

Border

The CSS property to change the border of an element to Yxy 36.5648, 0.5045, 0.4192 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, 140, 39) }
```

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

```
.border{ border-color:rgb(235, 140, 39) }
```

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

Here you see how a box with a 4 pixel rgb(235, 140, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 140, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 140, 39);  
box-shadow:4px 4px 4px 4px rgb(235, 140,  
39) }
```


Background

The CSS property to change the background color of an element to Yxy 36.5648, 0.5045, 0.4192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 140, 39) }
```

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

```
.background{ background-color: rgb(235,  
140, 39) }
```

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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