

Converting Colors

Yxy(38.6142, 0.4883, 0.4137)

Have a look what the booklet for
Yxy(38.6142, 0.4883, 0.4137)
contains.

Yxy(38.7064, 0.4880, 0.4137)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.7064, 0.4880, 0.4137)

Conversions

Conversions Part 1

Format	Color
Hex	EC923B
RGB	236, 146, 59
RGB Percent	93%, 57%, 23%
CMY	0.0745, 0.4274, 0.7688
CMYK	0.00, 0.38, 0.75, 0.07
HSL	30°, 82%, 58%
HSV	30°, 75%, 93%
XYZ	45.6580, 38.7064, 9.1971
YIQ	162.9920, 81.5670, -7.9770

Conversions

Conversions Part 2

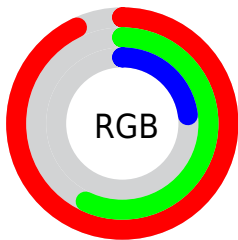
Format	Color
R _Y B	236, 230, 59
Decimal	15503931
CIE Lab	68.54, 27.20, 58.00
CIE LCh	69, 64.064, 64.876
Yxy	38.7064, 0.4880, 0.4137
Android (android.graphics.Color)	4293694011 (0xFFEC923B)
YUV	162.9920, -51.2681, 64.0280
Hunter-Lab	62.2145, 22.1225, 34.7854

Details

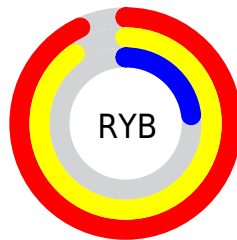
The Yxy color **38.7064, 0.4880, 0.4137** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **28.4621, 0.1984, 0.2040**, and the grayscale version is **36.8395, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.7163, 0.4249, 0.4181**, and **17.2984, 0.5276, 0.4192** is the 20% darker color. If you saturate the color by 10%, you get **35.0099, 0.5138, 0.4142**, and if you desaturate by 10%, it is **42.9055, 0.4602, 0.4083**.

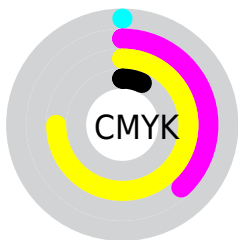
Distribution



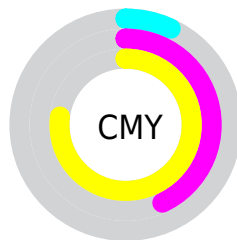
- Red (93%)
- Green (57%)
- Blue (23%)



- Red (93%)
- Yellow (90%)
- Blue (23%)



- Cyan (0%)
- Magenta (38%)
- Yellow (75%)
- Black (7%)





- Cyan (7%)
- Magenta (43%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.7064, 0.4880, 0.4137 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 38.7064, 0.4880, 0.4137 by changing the saturation by 10% instead.


 38.7064, 0.4880,
0.4137


 38.7064, 0.4880,
0.4137


340.6406, 0.4020,
0.3802


 26.5314, 0.5069,
0.4179


 73.1896, 0.4583,
0.4044

 17.2216, 0.5290,
0.4207


 96.2666, 0.4466,
0.4000

 10.3926, 0.5554,
0.4207


 123.7463, 0.4365,
0.3959

 5.6600, 0.5858,
0.4142

 156.0132, 0.4277,
0.3922

 2.6395, 0.6113,
0.3887

 193.4517, 0.4201,
0.3888

 0.9466, 0.6538,
0.3462

 236.4462, 0.4133,

 0.0000, 1.0000,

0.3856

0.0000

285.3810, 0.4073,
0.3828

■ 0.0000, 0.0000,
0.0000

■ 38.7064, 0.4880,
0.4137

■ 38.7064, 0.4880,
0.4137

■ 35.0099, 0.5138,
0.4142

■ 42.9055, 0.4602,
0.4083

■ 31.7819, 0.5357,
0.4091


■ 47.6259, 0.4321,
0.3990

■ 30.3319, 0.5454,
0.4051

■ 52.8918, 0.4052,
0.3873


■ 58.7238, 0.3803,
0.3744

■ 65.1411, 0.3579,
0.3609

 72.1620, 0.3380,
0.3477

 79.8036, 0.3206,
0.3351

 88.0824, 0.3054,
0.3232

 95.9153, 0.3011,
0.3280

Harmonies

Analogous

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



38.7064, 0.4943, 0.3471



38.7064, 0.4880, 0.4137



38.7064, 0.4322, 0.4758

Triad

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



38.7064, 0.4880, 0.4137



38.7064, 0.1940, 0.3638



38.7064, 0.2529, 0.1996

Complementary

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



38.7064, 0.4880, 0.4137



28.4621, 0.1984, 0.2040

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.



38.7064, 0.1900, 0.1912



38.7064, 0.4880, 0.4137



38.7064, 0.1597, 0.2682

Square

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



38.7064, 0.4880, 0.4137



38.7064, 0.2627, 0.4649



38.7064, 0.1593, 0.2115



38.7064, 0.3443, 0.2326

Rectangle

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



38.7064, 0.4880, 0.4137



38.7064, 0.3790, 0.5021



38.7064, 0.1593, 0.2115



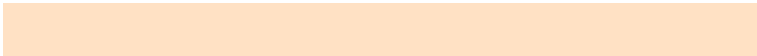
38.7064, 0.2283, 0.1939

Sweetspot

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



38.7084, 0.4880, 0.4137



79.2141, 0.3539, 0.3584



23.1718, 0.4335, 0.2409



16.3327, 0.3615, 0.3632



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.



38.7084, 0.4880, 0.4137



39.6094, 0.5261, 0.4122



76.4489, 0.4124, 0.4886



16.2771, 0.3281, 0.3406



16.9787, 0.5429, 0.4071



1.5254, 0.5213, 0.4243

Inverse Universe

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



28.4621, 0.1984, 0.2040



26.8243, 0.1837, 0.1750



10.4204, 0.1705, 0.0952



15.8147, 0.2981, 0.3171



10.9969, 0.1780, 0.1608



1.0561, 0.1849, 0.1855

Previews

White Background



This preview shows how the Yxy color 38.7064, 0.4880, 0.4137 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 38.7064, 0.4880, 0.4137 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 38.7064, 0.4880, 0.4137

Background



This preview shows how black text looks on a background with the Yxy color 38.7064, 0.4880, 0.4137.



This preview shows how white text looks on a background with the Yxy color 38.7064, 0.4880, 0.4137.

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

38.7064, 0.4880, 0.4137

Protanopia

38.9517, 0.4168, 0.4580

Deuteranopia

38.7737, 0.4536, 0.4434



Tritanopia

38.6987, 0.4152, 0.3182

Trichromacy



Original Color

38.7064, 0.4880, 0.4137

Protanomaly

38.4796, 0.4431, 0.4412

Deuteranomaly

38.4568, 0.4665, 0.4325

Tritanomaly

38.3447, 0.4471, 0.3567

Monochromacy



Original Color

38.7064, 0.4880, 0.4137

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

36.5418, 0.3773, 0.3727

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7064, 0.4880, 0.4137 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(236, 146, 59)` looks like.

```
.text, #text, p{  
    color:rgb(236, 146, 59)  
}
```

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(236, 146, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 146, 59) }
```

Border

The CSS property to change the border of an element to Yxy 38.7064, 0.4880, 0.4137 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(236, 146, 59) }
```

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

```
.border{ border-color:rgb(236, 146, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 146, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 146, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 146, 59);  
box-shadow:4px 4px 4px 4px rgb(236, 146,  
59) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 38.7064, 0.4880, 0.4137$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 146, 59) }
```

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

```
.background{ background-color: rgb(236,  
146, 59) }
```

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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