

Converting Colors

$Y_{xy}(35.8852, 0.5148, 0.4231)$

Have a look what the booklet for
Yxy(35.8852, 0.5148, 0.4231)
contains.

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Color

Yxy(36.0603, 0.5143, 0.4233)

Conversions

Conversions Part 1

Format	Color
Hex	EC8A14
RGB	236, 138, 20
RGB Percent	93%, 54%, 8%
CMY	0.0744, 0.4588, 0.9213
CMYK	0.00, 0.42, 0.91, 0.07
HSL	33°, 85%, 50%
HSV	33°, 91%, 93%
XYZ	43.8125, 36.0603, 5.3158
YIQ	153.8500, 96.2860, -15.9220

Conversions

Conversions Part 2

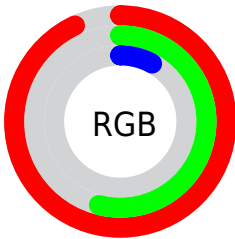
Format	Color
R _Y B	199, 236, 20
Decimal	15501844
CIE Lab	66.57, 30.35, 69.26
CIE LCh	67, 75.617, 66.335
Yxy	36.0603, 0.5143, 0.4233
Android (android.graphics.Color)	4293691924 (0xFFEC8A14)
YUV	153.8500, -65.9881, 72.0456
Hunter-Lab	60.0502, 25.1451, 36.7867

Details

The Yxy color **36.0603, 0.5143, 0.4233** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **19.1855, 0.1782, 0.1559**, and the grayscale version is **32.5130, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5534, 0.4489, 0.4342**, and **15.7006, 0.5392, 0.4101** is the 20% darker color. If you saturate the color by 10%, you get **33.5066, 0.5293, 0.4179**, and if you desaturate by 10%, it is **39.4180, 0.4934, 0.4252**.

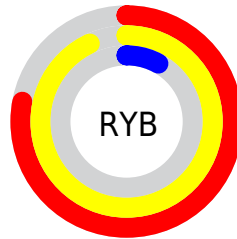
Distribution



Red (93%)

Green (54%)

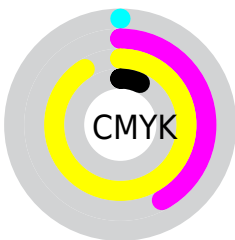
Blue (8%)



Red (78%)

Yellow (93%)

Blue (8%)

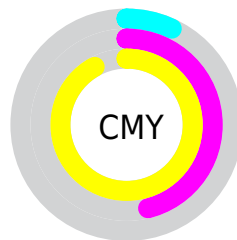


Cyan (0%)

Magenta (42%)

Yellow (91%)

Black (7%)



Cyan (7%)


Magenta (46%)

Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.0603, 0.5143, 0.4233 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 36.0603, 0.5143, 0.4233 by changing the saturation by 10% instead.

 36.0603, 0.5143,
0.4233


 36.0603, 0.5143,
0.4233


329.2240, 0.4181,
0.3901

 24.4808, 0.5336,
0.4252


 69.1251, 0.4823,
0.4158

 15.6906, 0.5551,
0.4241


 91.3792, 0.4693,
0.4115


 9.3055, 0.5809,
0.4191


 117.9603, 0.4579,
0.4074

 4.9410, 0.6007,
0.3993

 149.2527, 0.4478,
0.4034

 2.2127, 0.6310,
0.3690

 185.6409, 0.4390,
0.3997

 0.7269, 0.6850,
0.3150

 227.5093, 0.4312,

 0.0000, 1.0000,

0.3963

0.0000

275.2422, 0.4243,
0.3931

0.0000, 0.0000,
0.0000

36.0603, 0.5143,
0.4233

36.0603, 0.5143,
0.4233

33.5066, 0.5293,
0.4179

39.4180, 0.4934,
0.4252

43.1861, 0.4695,
0.4216

47.3893, 0.4440,
0.4135

52.0479, 0.4183,
0.4020

57.1804, 0.3937,
0.3885

■ 62.8037, 0.3708,
0.3739

■ 68.9336, 0.3500,
0.3592

■ 75.5852, 0.3314,
0.3447

■ 82.7726, 0.3150,
0.3310

Harmonies

Analogous

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



36.0603, 0.5307, 0.3476



36.0603, 0.5143, 0.4233



36.0603, 0.4427, 0.5001

Triad

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



36.0603, 0.5143, 0.4233



36.0603, 0.1691, 0.3625



36.0603, 0.2455, 0.1809

Complementary

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



36.0603, 0.5143, 0.4233



19.1855, 0.1782, 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.



36.0603, 0.1726, 0.1694



36.0603, 0.5143, 0.4233



36.0603, 0.1348, 0.2490

Square

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



36.0603, 0.5143, 0.4233



36.0603, 0.2450, 0.4934



36.0603, 0.1371, 0.1885



36.0603, 0.3550, 0.2191

Rectangle

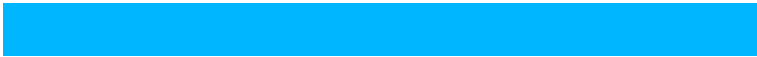
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



36.0603, 0.5143, 0.4233



36.0603, 0.3791, 0.5368



36.0603, 0.1371, 0.1885



36.0603, 0.2167, 0.1740

Sweetspot

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



36.0622, 0.5143, 0.4233



77.9871, 0.3614, 0.3674



19.7157, 0.4920, 0.2533



16.1667, 0.3687, 0.3725



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.



36.0622, 0.5143, 0.4233



39.7975, 0.5299, 0.4175



76.6821, 0.4125, 0.5070



16.4173, 0.3279, 0.3419



18.7283, 0.5270, 0.4197



1.6625, 0.5081, 0.4348

Inverse Universe

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



19.1855, 0.1782, 0.1559



19.6534, 0.1721, 0.1393



6.7966, 0.1547, 0.0663



15.6752, 0.2980, 0.3158



9.4005, 0.1731, 0.1430



0.9282, 0.1804, 0.1694

Previews

White Background



This preview shows how the Yxy color 36.0603, 0.5143, 0.4233 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 36.0603, 0.5143, 0.4233 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 36.0603, 0.5143, 0.4233

Background



This preview shows how black text looks on a background with the Yxy color 36.0603, 0.5143, 0.4233.



This preview shows how white text looks on a background with the Yxy color 36.0603, 0.5143, 0.4233.

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

36.0603, 0.5143, 0.4233

Protanopia

36.3455, 0.4345, 0.4810

Deuteranopia

36.0903, 0.4718, 0.4636



Tritanopia

35.9741, 0.4300, 0.3184

Trichromacy



Original Color

36.0603, 0.5143, 0.4233

Protanomaly

35.7379, 0.4642, 0.4597

Deuteranomaly

35.7941, 0.4881, 0.4486

Tritanomaly

35.6795, 0.4739, 0.3683

Monochromacy



Original Color

36.0603, 0.5143, 0.4233

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

32.3901, 0.3956, 0.3894

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.0603, 0.5143, 0.4233 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, 138, 20)` looks like.

```
.text, #text, p{  
    color:rgb(236, 138, 20)  
}
```

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, 138, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 138, 20) }
```

Border

The CSS property to change the border of an element to Yxy 36.0603, 0.5143, 0.4233 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, 138, 20) }
```

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

```
.border{ border-color:rgb(236, 138, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 138, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 138, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 138, 20);  
box-shadow:4px 4px 4px 4px rgb(236, 138,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 36.0603, 0.5143, 0.4233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 138, 20) }
```

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

```
.background{ background-color: rgb(236,  
138, 20) }
```

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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