

Converting Colors

$Y_{xy}(35.9010, 0.5136, 0.4157)$

Have a look what the booklet for
Yxy(35.9010, 0.5136, 0.4157)
contains.

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Color

Yxy(35.9010, 0.5136, 0.4157)

Conversions

Conversions Part 1

Format	Color
Hex	EE8822
RGB	238, 136, 34
RGB Percent	93%, 53%, 13%
CMY	0.0666, 0.4667, 0.8666
CMYK	0.00, 0.43, 0.86, 0.07
HSL	30°, 86%, 53%
HSV	30°, 86%, 93%
XYZ	44.3559, 35.9010, 6.1058
YIQ	154.8700, 93.5340, -10.0980

Conversions

Conversions Part 2

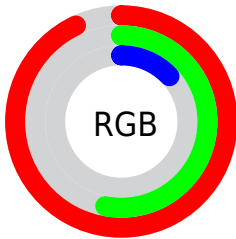
Format	Color
R _Y B	238, 238, 34
Decimal	15632418
CIE Lab	66.44, 32.47, 65.59
CIE LCh	66, 73.188, 63.666
Yxy	35.9010, 0.5136, 0.4157
Android (android.graphics.Color)	4293822498 (0xFFEE8822)
YUV	154.8700, -59.5889, 72.9050
Hunter-Lab	59.9174, 27.2851, 35.9003

Details

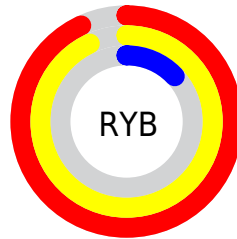
The Yxy color **35.9010, 0.5136, 0.4157** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **24.1293, 0.1868, 0.1811**, and the grayscale version is **32.9571, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.8251, 0.4453, 0.4259**, and **15.6110, 0.5443, 0.4060** is the 20% darker color. If you saturate the color by 10%, you get **32.6413, 0.5349, 0.4104**, and if you desaturate by 10%, it is **39.6317, 0.4884, 0.4154**.

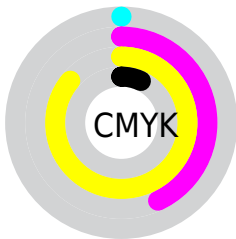
Distribution



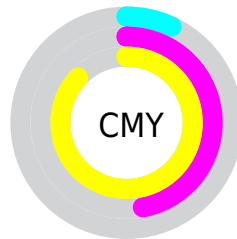
- Red (93%)
- Green (53%)
- Blue (13%)



- Red (93%)
- Yellow (93%)
- Blue (13%)



- Cyan (0%)
- Magenta (43%)
- Yellow (86%)
- Black (7%)





- Cyan (7%)
- Magenta (47%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.9010, 0.5136, 0.4157 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 35.9010, 0.5136, 0.4157 by changing the saturation by 10% instead.


 35.9010, 0.5136,
0.4157


 35.9010, 0.5136,
0.4157


328.5276, 0.4162,
0.3852

 24.3577, 0.5339,
0.4175


 68.8792, 0.4807,
0.4088

 15.5992, 0.5567,
0.4162


 91.0830, 0.4674,
0.4049

 9.2410, 0.5871,
0.4129


 117.6091, 0.4559,
0.4010

 4.8987, 0.6081,
0.3919

 148.8418, 0.4459,
0.3974

 2.1880, 0.6400,
0.3600

 185.1657, 0.4371,
0.3940

 0.7134, 0.6969,
0.3031

 226.9650, 0.4293,

 0.0000, 1.0000,

0.3908

0.0000

274.6242, 0.4224,
0.3879

■ 0.0000, 0.0000,
0.0000

■ 35.9010, 0.5136,
0.4157

■ 35.9010, 0.5136,
0.4157

■ 32.6413, 0.5349,
0.4104

■ 39.6317, 0.4884,
0.4154


■ 31.3706, 0.5431,
0.4070


■ 43.8561, 0.4611,
0.4101

■ 48.6008, 0.4334,
0.4009

■ 53.8881, 0.4066,
0.3892

■ 59.7387, 0.3817,
0.3760

 66.1717, 0.3593,
0.3624

 73.2053, 0.3393,
0.3490

 80.8566, 0.3217,
0.3360

 89.1421, 0.3064,
0.3239

Harmonies

Analogous

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



35.9010, 0.5223, 0.3419



35.9010, 0.5136, 0.4157



35.9010, 0.4481, 0.4905

Triad

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



35.9010, 0.5136, 0.4157



35.9010, 0.1781, 0.3736



35.9010, 0.2395, 0.1822

Complementary

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



35.9010, 0.5136, 0.4157



24.1293, 0.1868, 0.1811

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.



35.9010, 0.1714, 0.1734



35.9010, 0.5136, 0.4157



35.9010, 0.1403, 0.2595

Square

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



35.9010, 0.5136, 0.4157



35.9010, 0.2557, 0.4962



35.9010, 0.1395, 0.1956



35.9010, 0.3436, 0.2175

Rectangle

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



35.9010, 0.5136, 0.4157



35.9010, 0.3873, 0.5279



35.9010, 0.1395, 0.1956



35.9010, 0.2125, 0.1762

Sweetspot

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



35.9029, 0.5136, 0.4157



77.0818, 0.3601, 0.3629



21.2001, 0.4591, 0.2402



15.9240, 0.3677, 0.3677



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.



35.9029, 0.5136, 0.4157



36.5642, 0.5436, 0.4066



77.4889, 0.4185, 0.4978



17.0645, 0.3281, 0.3408



17.7588, 0.5407, 0.4089



1.6764, 0.5204, 0.4250

Inverse Universe

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



24.1293, 0.1868, 0.1811



22.5323, 0.1763, 0.1545



7.8630, 0.1580, 0.0741



16.5348, 0.2980, 0.3169



11.0656, 0.1772, 0.1579



1.1195, 0.1838, 0.1817

Previews

White Background



This preview shows how the Yxy color 35.9010, 0.5136, 0.4157 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 35.9010, 0.5136, 0.4157 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 35.9010, 0.5136, 0.4157

Background



This preview shows how black text looks on a background with the Yxy color 35.9010, 0.5136, 0.4157.



This preview shows how white text looks on a background with the Yxy color 35.9010, 0.5136, 0.4157.

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

35.9010, 0.5136, 0.4157

Protanopia

35.9458, 0.4298, 0.4738

Deuteranopia

36.1522, 0.4676, 0.4583



Tritanopia

36.0110, 0.4349, 0.3196

Trichromacy



Original Color

35.9010, 0.5136, 0.4157

Protanomaly

35.4790, 0.4607, 0.4528

Deuteranomaly

35.6983, 0.4857, 0.4418

Tritanomaly

35.5669, 0.4732, 0.3618

Monochromacy



Original Color

35.9010, 0.5136, 0.4157

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

32.6418, 0.3906, 0.3810

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.9010, 0.5136, 0.4157 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(238, 136, 34)` looks like.

```
.text, #text, p{  
    color:rgb(238, 136, 34)  
}
```

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(238, 136, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 136, 34) }
```

Border

The CSS property to change the border of an element to Yxy 35.9010, 0.5136, 0.4157 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(238, 136, 34) }
```

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

```
.border{ border-color:rgb(238, 136, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 136, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 136, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 136, 34);  
box-shadow:4px 4px 4px 4px rgb(238, 136,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 35.9010, 0.5136, 0.4157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 136, 34) }
```

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

```
.background{ background-color: rgb(238,  
136, 34) }
```

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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