

Converting Colors

$Yxy(35.0343, 0.5123, 0.4233)$

Have a look what the booklet for
Yxy(35.0343, 0.5123, 0.4233)
contains.

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Color

Yxy(35.1090, 0.5116, 0.4238)

Conversions

Conversions Part 1

Format	Color
Hex	E88917
RGB	232, 137, 23
RGB Percent	91%, 54%, 9%
CMY	0.0901, 0.4628, 0.9099
CMYK	0.00, 0.41, 0.90, 0.09
HSL	33°, 82%, 50%
HSV	33°, 90%, 91%
XYZ	42.3826, 35.1090, 5.3517
YIQ	152.4090, 93.2140, -15.3140

Conversions

Conversions Part 2

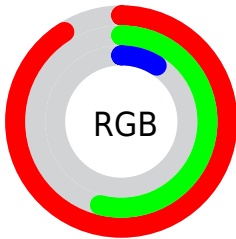
Format	Color
RYB	197, 232, 23
Decimal	15239447
CIELab	65.83, 29.26, 67.83
CIELCh	66, 73.873, 66.666
Yxy	35.1090, 0.5116, 0.4238
Android (android.graphics.Color)	4293429527 (0xFFE88917)
YUV	152.4090, -63.7986, 69.8013
Hunter-Lab	59.2528, 23.9858, 36.1220

Details

The Yxy color **35.1090, 0.5116, 0.4238** 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 **18.9630, 0.1794, 0.1590**, and the grayscale version is **31.8365, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.1308, 0.4492, 0.4326**, and **15.2016, 0.5381, 0.4109** is the 20% darker color. If you saturate the color by 10%, you get **32.2229, 0.5293, 0.4179**, and if you desaturate by 10%, it is **38.3940, 0.4902, 0.4248**.

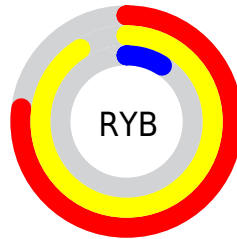
Distribution



Red (91%)

Green (54%)

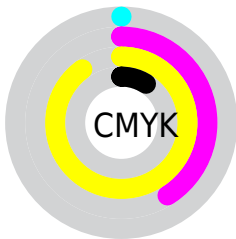
Blue (9%)



Red (77%)

Yellow (91%)

Blue (9%)

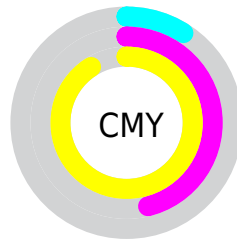


Cyan (0%)

Magenta (41%)

Yellow (90%)

Black (9%)



Cyan (9%)


Magenta (46%)


Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.1090, 0.5116, 0.4238 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 35.1090, 0.5116, 0.4238 by changing the saturation by 10% instead.

 35.1090, 0.5116,
0.4238


 35.1090, 0.5116,
0.4238


325.0492, 0.4159,
0.3896


 23.7469, 0.5310,
0.4261


 67.6546, 0.4796,
0.4158


 15.1459, 0.5526,
0.4254


 89.6068, 0.4666,
0.4114


 8.9219, 0.5789,
0.4211


 115.8579, 0.4553,
0.4071

 4.6903, 0.5988,
0.4012

 146.7921, 0.4454,
0.4031

 2.0667, 0.6293,
0.3707

 182.7940, 0.4367,
0.3993

 0.6458, 0.6886,
0.3114

 224.2479, 0.4289,

 0.0000, 1.0000,

0.3958

0.0000

271.5381, 0.4221,
0.3926

■ 0.0000, 0.0000,
0.0000

■ 35.1090, 0.5116,
0.4238

■ 35.1090, 0.5116,
0.4238

■ 32.2229, 0.5293,
0.4179

■ 38.3940, 0.4902,
0.4248

■ 42.0770, 0.4659,
0.4206

■ 46.1817, 0.4403,
0.4119

■ 50.7271, 0.4147,
0.4001

■ 55.7307, 0.3903,
0.3864

■ 61.2085, 0.3677,
0.3718

■ 67.1759, 0.3472,
0.3571

■ 73.6469, 0.3290,
0.3427

■ 80.6352, 0.3129,
0.3291

Harmonies

Analogous

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



35.1090, 0.5280, 0.3487



35.1090, 0.5116, 0.4238



35.1090, 0.4407, 0.4992

Triad

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



35.1090, 0.5116, 0.4238



35.1090, 0.1703, 0.3608



35.1090, 0.2474, 0.1828

Complementary

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



35.1090, 0.5116, 0.4238



18.9630, 0.1794, 0.1590

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.



35.1090, 0.1747, 0.1711



35.1090, 0.5116, 0.4238



35.1090, 0.1365, 0.2494

Square

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



35.1090, 0.5116, 0.4238



35.1090, 0.2451, 0.4895



35.1090, 0.1391, 0.1898



35.1090, 0.3558, 0.2209

Rectangle

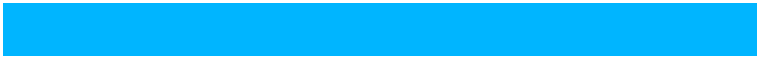
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



35.1090, 0.5116, 0.4238



35.1090, 0.3778, 0.5345



35.1090, 0.1391, 0.1898



35.1090, 0.2188, 0.1758

Sweetspot

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



35.1109, 0.5116, 0.4238



77.9647, 0.3614, 0.3674



19.1389, 0.4881, 0.2524



16.1614, 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.



35.1109, 0.5116, 0.4238



39.7526, 0.5300, 0.4173



73.7987, 0.4122, 0.5063



15.6643, 0.3279, 0.3418



18.1414, 0.5271, 0.4197



1.5257, 0.5071, 0.4356

Inverse Universe

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



18.9630, 0.1794, 0.1590



19.6891, 0.1721, 0.1395



6.7138, 0.1557, 0.0678



14.9608, 0.2981, 0.3158



9.1393, 0.1732, 0.1434



0.8590, 0.1809, 0.1712

Previews

White Background



This preview shows how the Yxy color 35.1090, 0.5116, 0.4238 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 35.1090, 0.5116, 0.4238 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 35.1090, 0.5116, 0.4238

Background



This preview shows how black text looks on a background with the Yxy color 35.1090, 0.5116, 0.4238.



This preview shows how white text looks on a background with the Yxy color 35.1090, 0.5116, 0.4238.

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

35.1090, 0.5116, 0.4238

Protanopia

35.4072, 0.4340, 0.4797

Deuteranopia

35.1530, 0.4724, 0.4631



Tritanopia

35.2490, 0.4272, 0.3193

Trichromacy



Original Color

35.1090, 0.5116, 0.4238

Protanomaly

34.8150, 0.4640, 0.4583

Deuteranomaly

35.1811, 0.4874, 0.4488

Tritanomaly

34.7393, 0.4700, 0.3670

Monochromacy



Original Color

35.1090, 0.5116, 0.4238

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

31.7111, 0.3929, 0.3889

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.1090, 0.5116, 0.4238 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(232, 137, 23)` looks like.

```
.text, #text, p{  
    color:rgb(232, 137, 23)  
}
```

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(232, 137, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 137, 23) }
```

Border

The CSS property to change the border of an element to Yxy 35.1090, 0.5116, 0.4238 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(232, 137, 23) }
```

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

```
.border{ border-color:rgb(232, 137, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 137, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 137, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 137, 23);  
box-shadow:4px 4px 4px 4px rgb(232, 137,  
23) }
```


Background

The CSS property to change the background color of an element to Yxy 35.1090, 0.5116, 0.4238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 137, 23) }
```

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

```
.background{ background-color: rgb(232,  
137, 23) }
```

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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