

Converting Colors

$Y_{xy}(35.9126, 0.5041, 0.4261)$

Have a look what the booklet for
Yxy(35.9126, 0.5041, 0.4261)
contains.

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Color

Yxy(36.1274, 0.5041, 0.4265)

Conversions

Conversions Part 1

Format	Color
Hex	E78D1D
RGB	231, 141, 29
RGB Percent	91%, 55%, 11%
CMY	0.0941, 0.4470, 0.8866
CMYK	0.00, 0.39, 0.87, 0.09
HSL	33°, 81%, 51%
HSV	33°, 87%, 91%
XYZ	42.7006, 36.1274, 5.8786
YIQ	155.1420, 89.5920, -15.7520

Conversions

Conversions Part 2

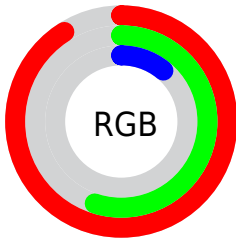
Format	Color
R _Y B	191, 231, 29
Decimal	15174941
CIE Lab	66.62, 26.84, 66.85
CIE LCh	67, 72.038, 68.129
Yxy	36.1274, 0.5041, 0.4265
Android (android.graphics.Color)	4293365021 (0xFFE78D1D)
YUV	155.1420, -62.1880, 66.5275
Hunter-Lab	60.1061, 21.6246, 36.2754

Details

The Yxy color **36.1274, 0.5041, 0.4265** 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 **19.1981, 0.1810, 0.1615**, and the grayscale version is **33.0925, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.9783, 0.4433, 0.4326**, and **15.7473, 0.5303, 0.4171** is the 20% darker color. If you saturate the color by 10%, you get **33.1596, 0.5223, 0.4217**, and if you desaturate by 10%, it is **39.4650, 0.4823, 0.4259**.

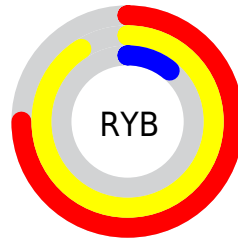
Distribution



Red (91%)

Green (55%)

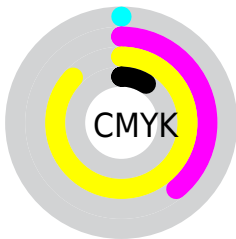
Blue (11%)



Red (75%)

Yellow (91%)

Blue (11%)

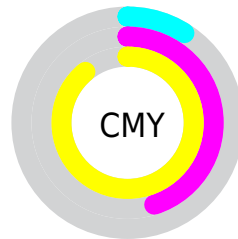


Cyan (0%)

Magenta (39%)

Yellow (87%)

Black (9%)



Cyan (9%)

Magenta (45%)

Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.1274, 0.5041, 0.4265 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 36.1274, 0.5041, 0.4265 by changing the saturation by 10% instead.

 36.1274, 0.5041,
0.4265


 36.1274, 0.5041,
0.4265


329.5170, 0.4122,
0.3899


 24.5326, 0.5228,
0.4298


 69.2287, 0.4733,
0.4173

 15.7292, 0.5437,
0.4304


 91.5039, 0.4608,
0.4126


 9.3327, 0.5707,
0.4293


 118.1081, 0.4499,
0.4080

 4.9588, 0.5886,
0.4114

 149.4256, 0.4404,
0.4038

 2.2231, 0.6162,
0.3838

 185.8409, 0.4321,
0.3999

 0.7326, 0.6661,
0.3339

 227.7383, 0.4246,

 0.0000, 1.0000,

0.3963

0.0000

275.5022, 0.4181,
0.3930

■ 0.0000, 0.0000,
0.0000

■ 36.1274, 0.5041,
0.4265

■ 36.1274, 0.5041,
0.4265

■ 33.1596, 0.5223,
0.4217

■ 39.4650, 0.4823,
0.4259

■ 32.4630, 0.5266,
0.4201

■ 43.1915, 0.4579,
0.4202

■ 47.3290, 0.4326,
0.4104

■ 51.8954, 0.4076,
0.3977

■ 56.9073, 0.3839,
0.3835

■ 62.3799, 0.3620,
0.3685

■ 68.3274, 0.3422,
0.3537

■ 74.7634, 0.3246,
0.3393

■ 81.7009, 0.3090,
0.3257

Harmonies

Analogous

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



36.1274, 0.5222, 0.3528



36.1274, 0.5041, 0.4265



36.1274, 0.4341, 0.4983

Triad

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



36.1274, 0.5041, 0.4265



36.1274, 0.1721, 0.3539



36.1274, 0.2540, 0.1877

Complementary

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



36.1274, 0.5041, 0.4265



19.1981, 0.1810, 0.1615

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.



36.1274, 0.1810, 0.1750



36.1274, 0.5041, 0.4265



36.1274, 0.1404, 0.2484

Square

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



36.1274, 0.5041, 0.4265



36.1274, 0.2435, 0.4781



36.1274, 0.1443, 0.1921



36.1274, 0.3603, 0.2262

Rectangle

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



36.1274, 0.5041, 0.4265



36.1274, 0.3725, 0.5294



36.1274, 0.1443, 0.1921



36.1274, 0.2254, 0.1805

Sweetspot

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



36.1293, 0.5041, 0.4265



79.0299, 0.3592, 0.3665



19.2152, 0.4872, 0.2546



16.3849, 0.3665, 0.3717



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.



36.1293, 0.5041, 0.4265



40.4430, 0.5273, 0.4195



72.5951, 0.4089, 0.5067



15.6871, 0.3279, 0.3420



18.4509, 0.5244, 0.4218



1.5481, 0.5049, 0.4373

Inverse Universe

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



19.1981, 0.1810, 0.1615



19.1532, 0.1713, 0.1366



7.0751, 0.1587, 0.0715



14.9384, 0.2981, 0.3156



8.8966, 0.1724, 0.1405



0.8403, 0.1802, 0.1686

Previews

White Background



This preview shows how the Yxy color 36.1274, 0.5041, 0.4265 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 36.1274, 0.5041, 0.4265 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 36.1274, 0.5041, 0.4265

Background



This preview shows how black text looks on a background with the Yxy color 36.1274, 0.5041, 0.4265.



This preview shows how white text looks on a background with the Yxy color 36.1274, 0.5041, 0.4265.

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

36.1274, 0.5041, 0.4265

Protanopia

36.3830, 0.4322, 0.4775

Deuteranopia

36.1374, 0.4686, 0.4595



Tritanopia

35.9886, 0.4200, 0.3181

Trichromacy



Original Color

36.1274, 0.5041, 0.4265

Protanomaly

35.8319, 0.4585, 0.4587

Deuteranomaly

35.8529, 0.4818, 0.4471

Tritanomaly

35.7405, 0.4618, 0.3676

Monochromacy



Original Color

36.1274, 0.5041, 0.4265

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

32.9841, 0.3893, 0.3868

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.1274, 0.5041, 0.4265 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(231, 141, 29)` looks like.

```
.text, #text, p{  
    color:rgb(231, 141, 29)  
}
```

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(231, 141, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 141, 29) }
```

Border

The CSS property to change the border of an element to Yxy 36.1274, 0.5041, 0.4265 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(231, 141, 29) }
```

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

```
.border{ border-color:rgb(231, 141, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 141, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 141, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 141, 29);  
box-shadow:4px 4px 4px 4px rgb(231, 141,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 36.1274, 0.5041, 0.4265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 141, 29) }
```

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

```
.background{ background-color: rgb(231,  
141, 29) }
```

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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