

Converting Colors

$Yxy(36.5262, 0.4915, 0.4378)$

Have a look what the booklet for
Yxy(36.5262, 0.4915, 0.4378)
contains.

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Color

Yxy(36.6345, 0.4909, 0.4380)

Conversions

Conversions Part 1

Format	Color
Hex	DF931B
RGB	223, 147, 27
RGB Percent	87%, 58%, 11%
CMY	0.1256, 0.4235, 0.8939
CMYK	0.00, 0.34, 0.88, 0.13
HSL	37°, 78%, 49%
HSV	37°, 88%, 87%
XYZ	41.0591, 36.6345, 5.9468
YIQ	156.0440, 83.8160, -21.2080

Conversions

Conversions Part 2

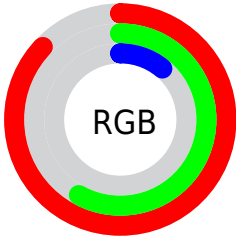
Format	Color
R _Y B	151, 223, 27
Decimal	14652187
CIE Lab	67.00, 20.21, 67.22
CIE LCh	67, 70.196, 73.271
Yxy	36.6345, 0.4909, 0.4380
Android (android.graphics.Color)	4292842267 (0xFFDF931B)
YUV	156.0440, -63.6187, 58.7204
Hunter-Lab	60.5264, 15.1671, 36.5432

Details

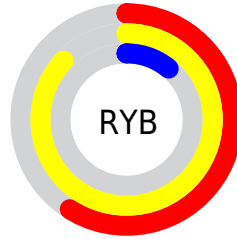
The Yxy color **36.6345, 0.4909, 0.4380** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **15.2643, 0.1763, 0.1445**, and the grayscale version is **33.5316, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.7052, 0.4393, 0.4386**, and **16.0471, 0.5127, 0.4311** is the 20% darker color. If you saturate the color by 10%, you get **33.9785, 0.5064, 0.4346**, and if you desaturate by 10%, it is **39.5727, 0.4720, 0.4362**.

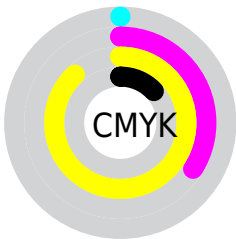
Distribution



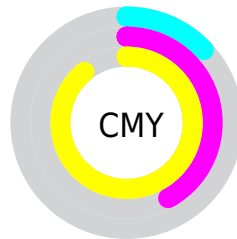
- Red (87%)
- Green (58%)
- Blue (11%)



- Red (59%)
- Yellow (87%)
- Blue (11%)



- Cyan (0%)
- Magenta (34%)
- Yellow (88%)
- Black (13%)




- Cyan (13%)
- Magenta (42%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.6345, 0.4909, 0.4380 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 36.6345, 0.4909, 0.4380 by changing the saturation by 10% instead.


 36.6345, 0.4909,
0.4380

 36.6345, 0.4909,
0.4380


331.7254, 0.4061,
0.3943

 24.9246, 0.5079,
0.4433


 70.0103, 0.4627,
0.4260


 16.0209, 0.5265,
0.4466


 92.4450, 0.4512,
0.4202

 9.5389, 0.5507,
0.4493


 119.2234, 0.4412,
0.4149

 5.0944, 0.5645,
0.4355

 150.7300, 0.4324,
0.4100

 2.3027, 0.5861,
0.4139

 187.3491, 0.4246,
0.4055

 0.7752, 0.6252,
0.3748

 229.4651, 0.4177,

 0.0000, 1.0000,

0.4014

0.0000

277.4624, 0.4116,
0.3977

■ 0.0000, 0.0000,
0.0000

■ 36.6345, 0.4909,
0.4380

■ 36.6345, 0.4909,
0.4380

■ 33.9785, 0.5064,
0.4346

■ 39.5727, 0.4720,
0.4362

■ 33.4419, 0.5096,
0.4336

■ 42.8087, 0.4505,
0.4294

■ 46.3605, 0.4277,
0.4185

■ 50.2425, 0.4047,
0.4048

■ 54.4675, 0.3825,
0.3892

■ 59.0475, 0.3616,
0.3730

■ 63.9938, 0.3424,
0.3567

■ 69.3169, 0.3251,
0.3409

■ 75.0267, 0.3096,
0.3259

Harmonies

Analogous

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



36.6345, 0.5183, 0.3653



36.6345, 0.4909, 0.4380



36.6345, 0.4174, 0.5043

Triad

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



36.6345, 0.4909, 0.4380



36.6345, 0.1676, 0.3330



36.6345, 0.2716, 0.1957

Complementary

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



36.6345, 0.4909, 0.4380



15.2643, 0.1763, 0.1445

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.



36.6345, 0.1938, 0.1787



36.6345, 0.4909, 0.4380



36.6345, 0.1426, 0.2383

Square

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



36.6345, 0.4909, 0.4380



36.6345, 0.2315, 0.4548



36.6345, 0.1519, 0.1903



36.6345, 0.3783, 0.2374

Rectangle

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



36.6345, 0.4909, 0.4380



36.6345, 0.3557, 0.5266



36.6345, 0.1519, 0.1903



36.6345, 0.2417, 0.1871

Sweetspot

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



36.6364, 0.4909, 0.4380



81.1227, 0.3582, 0.3702



17.4998, 0.5060, 0.2652



16.8818, 0.3652, 0.3760



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.



36.6364, 0.4909, 0.4380



45.0811, 0.5104, 0.4329



65.5953, 0.4012, 0.5128



15.0905, 0.3277, 0.3433



19.8927, 0.5079, 0.4350



1.5511, 0.4906, 0.4487

Inverse Universe

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



15.2643, 0.1763, 0.1445



16.1188, 0.1665, 0.1193



6.7088, 0.1618, 0.0730



14.1104, 0.2981, 0.3143



7.2934, 0.1676, 0.1233



0.6756, 0.1762, 0.1542

Previews

White Background



This preview shows how the Yxy color 36.6345, 0.4909, 0.4380 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 36.6345, 0.4909, 0.4380 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 36.6345, 0.4909, 0.4380

Background



This preview shows how black text looks on a background with the Yxy color 36.6345, 0.4909, 0.4380.



This preview shows how white text looks on a background with the Yxy color 36.6345, 0.4909, 0.4380.

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

36.6345, 0.4909, 0.4380

Protanopia

36.8456, 0.4332, 0.4793

Deuteranopia

36.6186, 0.4679, 0.4592



Tritanopia

36.6559, 0.4031, 0.3176

Trichromacy



Original Color

36.6345, 0.4909, 0.4380

Protanomaly

36.5532, 0.4542, 0.4644

Deuteranomaly

36.5154, 0.4765, 0.4515

Tritanomaly

36.3599, 0.4474, 0.3727

Monochromacy



Original Color

36.6345, 0.4909, 0.4380

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

33.5899, 0.3844, 0.3916

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.6345, 0.4909, 0.4380 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(223, 147, 27)` looks like.

```
.text, #text, p{  
    color:rgb(223, 147, 27)  
}
```

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(223, 147, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 147, 27) }
```

Border

The CSS property to change the border of an element to Yxy 36.6345, 0.4909, 0.4380 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(223, 147, 27) }
```

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

```
.border{ border-color:rgb(223, 147, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 147, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 147, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 147, 27);  
box-shadow:4px 4px 4px 4px rgb(223, 147,  
27) }
```


Background

The CSS property to change the background color of an element to Yxy 36.6345, 0.4909, 0.4380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 147, 27) }
```

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

```
.background{ background-color: rgb(223,  
147, 27) }
```

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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