

Converting Colors

$Y_{xy}(36.3638, 0.5257, 0.4208)$

Have a look what the booklet for
Yxy(36.3638, 0.5257, 0.4208)
contains.

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Color

Yxy(36.2052, 0.5260, 0.4206)

Conversions

Conversions Part 1

Format	Color
Hex	F28700
RGB	242, 135, 0
RGB Percent	95%, 53%, 0%
CMY	0.0510, 0.4705, 1.0000
CMYK	0.00, 0.44, 1.00, 0.05
HSL	33°, 100%, 47%
HSV	33°, 100%, 95%
XYZ	45.2780, 36.2052, 4.5967
YIQ	151.6030, 107.1070, -19.3010

Conversions

Conversions Part 2

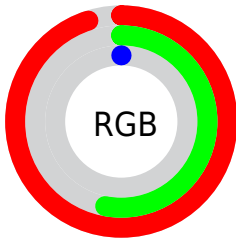
Format	Color
R_{YB}	192, 242, 0
Decimal	15894272
CIE _{Lab}	66.68, 34.13, 72.91
CIE _{LCh}	67, 80.501, 64.911
Yxy	36.2052, 0.5260, 0.4206
Android (android.graphics.Color)	4294084352 (0xFFFF28700)
YUV	151.6030, -74.7403, 79.2782
Hunter-Lab	60.1708, 29.0210, 37.5901

Details

The Yxy color **36.2052, 0.5260, 0.4206** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark saturated orange. A complement of this color would be **16.9192, 0.1711, 0.1361**, and the grayscale version is **31.5151, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.1362, 0.4556, 0.4368**, and **15.9244, 0.5493, 0.4020** is the 20% darker color. If you saturate the color by 10%, you get **36.2075, 0.5260, 0.4206**, and if you desaturate by 10%, it is **39.4113, 0.5087, 0.4264**.

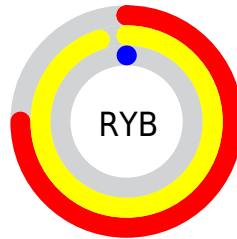
Distribution



Red (95%)

Green (53%)

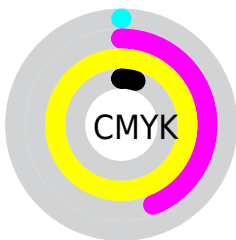
Blue (0%)



Red (75%)

Yellow (95%)

Blue (0%)

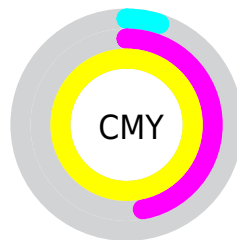


Cyan (0%)

Magenta (44%)

Yellow (100%)

Black (5%)



Cyan (5%)


Magenta (47%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.2052, 0.5260, 0.4206 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 36.2052, 0.5260, 0.4206 by changing the saturation by 10% instead.


 36.2052, 0.5260,
0.4206


 36.2052, 0.5260,
0.4206


329.8565, 0.4254,
0.3912

 24.5927, 0.5456,
0.4209


 69.3487, 0.4930,
0.4151


 15.7739, 0.5679,
0.4181


 91.6484, 0.4794,
0.4114

 9.3643, 0.5913,
0.4087


 118.2794, 0.4674,
0.4076

 4.9795, 0.6130,
0.3870

 149.6261, 0.4569,
0.4040

 2.2353, 0.6457,
0.3543

 186.0727, 0.4476,
0.4005

 0.7391, 0.7023,
0.2977

 228.0037, 0.4394,


 0.0000, 1.0000,


0.3972

0.0000


 275.8035, 0.4320,
0.3941

 0.0000, 0.0000,
0.0000

 36.2052, 0.5260,
0.4206

 36.2052, 0.5260,
0.4206


 36.2075, 0.5260,
0.4206

 39.4113, 0.5087,
0.4264

 43.0066, 0.4879,
0.4272

 47.0275, 0.4642,
0.4227

 51.4973, 0.4390,
0.4138

 56.4365, 0.4139,
0.4017

■ 61.8636, 0.3898,
0.3876

■ 67.7960, 0.3674,
0.3727

■ 74.2497, 0.3470,
0.3576

■ 81.2400, 0.3288,
0.3429

Harmonies

Analogous

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



36.2052, 0.5420, 0.3425



36.2052, 0.5260, 0.4206



36.2052, 0.4510, 0.5032

Triad

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



36.2052, 0.5260, 0.4206



36.2052, 0.1640, 0.3708



36.2052, 0.2369, 0.1730

Complementary

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



36.2052, 0.5260, 0.4206



16.9192, 0.1711, 0.1361

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.



36.2052, 0.1634, 0.1623



36.2052, 0.5260, 0.4206



36.2052, 0.1274, 0.2477

Square

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



36.2052, 0.5260, 0.4206



36.2052, 0.2444, 0.5109



36.2052, 0.1286, 0.1831



36.2052, 0.3509, 0.2112

Rectangle

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



36.2052, 0.5260, 0.4206



36.2052, 0.3847, 0.5463



36.2052, 0.1286, 0.1831



36.2052, 0.2076, 0.1663

Sweetspot

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



36.2075, 0.5260, 0.4206



76.3042, 0.3676, 0.3728



19.9768, 0.5210, 0.2644



15.7129, 0.3768, 0.3792



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.



36.2075, 0.5260, 0.4206



40.6886, 0.5263, 0.4203



80.3009, 0.4105, 0.5123



17.2217, 0.3279, 0.3422



19.7304, 0.5237, 0.4224



1.8394, 0.5062, 0.4363

Inverse Universe

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



16.9192, 0.1711, 0.1361



18.9685, 0.1710, 0.1356



6.4889, 0.1511, 0.0606



16.3788, 0.2980, 0.3155



9.3527, 0.1720, 0.1391



0.9732, 0.1790, 0.1644

Previews

White Background



This preview shows how the Yxy color 36.2052, 0.5260, 0.4206 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 36.2052, 0.5260, 0.4206 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 36.2052, 0.5260, 0.4206

Background



This preview shows how black text looks on a background with the Yxy color 36.2052, 0.5260, 0.4206.



This preview shows how white text looks on a background with the Yxy color 36.2052, 0.5260, 0.4206.

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

36.2052, 0.5260, 0.4206

Protanopia

36.3122, 0.4366, 0.4841

Tritanopia

36.4171, 0.4417, 0.3209

Trichromacy



Original Color

36.2052, 0.5260, 0.4206

Protanomaly

35.6489, 0.4701, 0.4608

Tritanomaly

35.7689, 0.4915, 0.3729

Monochromacy



Original Color

36.2052, 0.5260, 0.4206

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

31.7351, 0.4060, 0.3972

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.2052, 0.5260, 0.4206 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(242, 135, 0)` looks like.

```
.text, #text, p{  
    color:rgb(242, 135, 0)  
}
```

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(242, 135, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 135, 0) }
```

Border

The CSS property to change the border of an element to Yxy 36.2052, 0.5260, 0.4206 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(242, 135, 0) }
```

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

```
.border{ border-color:rgb(242, 135, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 135, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 135, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 135, 0);  
box-shadow:4px 4px 4px 4px rgb(242, 135,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 36.2052, 0.5260, 0.4206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 135, 0) }
```

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

```
.background{ background-color: rgb(242,  
135, 0) }
```

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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