

Converting Colors

$Y_{xy}(34.0118, 0.5403, 0.4092)$

Have a look what the booklet for
Yxy(34.0118, 0.5403, 0.4092)
contains.

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Color

Yxy(34.0797, 0.5402, 0.4092)

Conversions

Conversions Part 1

Format	Color
Hex	F57D00
RGB	245, 125, 0
RGB Percent	96%, 49%, 0%
CMY	0.0392, 0.5098, 0.9990
CMYK	0.00, 0.49, 1.00, 0.04
HSL	31°, 100%, 48%
HSV	31°, 100%, 96%
XYZ	44.9899, 34.0797, 4.2142
YIQ	146.6300, 111.6450, -13.4350

Conversions

Conversions Part 2

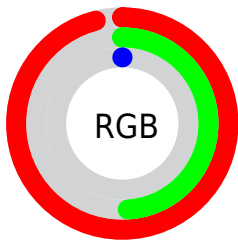
Format	Color
R _Y B	235, 245, 0
Decimal	16088320
CIE Lab	65.03, 40.42, 72.05
CIE LCh	65, 82.611, 60.707
Yxy	34.0797, 0.5402, 0.4092
Android (android.graphics.Color)	4294278400 (0xFFFF57D00)
YUV	146.6300, -72.2886, 86.2705
Hunter-Lab	58.3778, 35.4029, 36.5845

Details

The Yxy color **34.0797, 0.5402, 0.4092** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark saturated orange. A complement of this color would be **20.0875, 0.1755, 0.1518**, and the grayscale version is **29.3002, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.9681, 0.4647, 0.4285**, and **14.5888, 0.5685, 0.3868** is the 20% darker color. If you saturate the color by 10%, you get **34.0481, 0.5404, 0.4091**, and if you desaturate by 10%, it is **37.3778, 0.5208, 0.4162**.

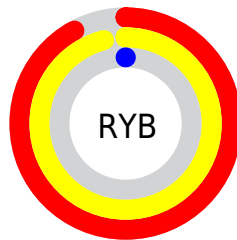
Distribution



Red (96%)

Green (49%)

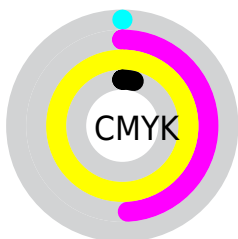
Blue (0%)



Red (92%)

Yellow (96%)

Blue (0%)

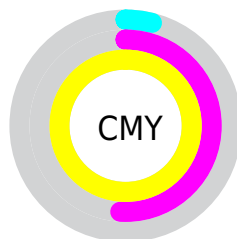


Cyan (0%)

Magenta (49%)

Yellow (100%)

Black (4%)



Cyan (4%)


Magenta (51%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.0797, 0.5402, 0.4092 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 34.0797, 0.5402, 0.4092 by changing the saturation by 10% instead.


 34.0797, 0.5402,
0.4092

 34.0797, 0.5402,
0.4092


320.4873, 0.4315,
0.3868

 22.9548, 0.5617,
0.4074


 66.0576, 0.5043,
0.4065


 14.5602, 0.5870,
0.4022


 87.6794, 0.4895,
0.4038


 8.5113, 0.6119,
0.3881


 113.5690, 0.4766,
0.4009

 4.4238, 0.6380,
0.3620

 144.1107, 0.4653,
0.3979

 1.9133, 0.6773,
0.3227

 179.6890, 0.4553,
0.3949


 0.5564, 0.7546,
0.2454


 220.6883, 0.4464,

 0.0000, 1.0000,

0.3920


0.0000

 267.4929, 0.4385,
0.3893


 0.0000, 0.0000,
0.0000

 34.0797, 0.5402,
0.4092


 34.0797, 0.5402,
0.4092


 34.0481, 0.5404,
0.4091

 37.3778, 0.5208,
0.4162

 41.1405, 0.4976,
0.4181

 45.4077, 0.4715,
0.4146

 50.2067, 0.4441,
0.4067

 55.5616, 0.4171,
0.3956

■ 61.4945, 0.3916,
0.3827

■ 68.0261, 0.3682,
0.3689

■ 75.1756, 0.3473,
0.3551

■ 82.9613, 0.3288,
0.3416

Harmonies

Analogous

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



34.0797, 0.5472, 0.3304



34.0797, 0.5402, 0.4092



34.0797, 0.4672, 0.4959

Triad

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



34.0797, 0.5402, 0.4092



34.0797, 0.1668, 0.3943



34.0797, 0.2203, 0.1646

Complementary

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



34.0797, 0.5402, 0.4092



20.0875, 0.1755, 0.1518

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.



34.0797, 0.1511, 0.1576



34.0797, 0.5402, 0.4092



34.0797, 0.1237, 0.2575

Square

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



34.0797, 0.5402, 0.4092



34.0797, 0.2547, 0.5359



34.0797, 0.1206, 0.1835



34.0797, 0.3335, 0.1999

Rectangle

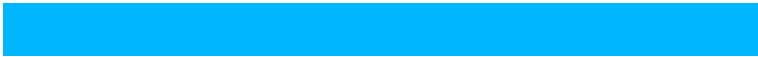
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



34.0797, 0.5402, 0.4092



34.0797, 0.4000, 0.5469



34.0797, 0.1206, 0.1835



34.0797, 0.1923, 0.1590

Sweetspot

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



34.0816, 0.5402, 0.4092



74.3750, 0.3686, 0.3692



20.8381, 0.4994, 0.2525



15.2560, 0.3782, 0.3750



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.



34.0816, 0.5402, 0.4092



37.2195, 0.5407, 0.4089



84.7140, 0.4193, 0.5052



17.8791, 0.3281, 0.3411



18.6215, 0.5379, 0.4111



1.8424, 0.5191, 0.4261

Inverse Universe

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



20.0875, 0.1755, 0.1518



21.8927, 0.1754, 0.1512



6.5997, 0.1501, 0.0601



17.2683, 0.2980, 0.3166



11.0792, 0.1762, 0.1545



1.1789, 0.1826, 0.1774

Previews

White Background



This preview shows how the Yxy color 34.0797, 0.5402, 0.4092 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 34.0797, 0.5402, 0.4092 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 34.0797, 0.5402, 0.4092

Background



This preview shows how black text looks on a background with the Yxy color 34.0797, 0.5402, 0.4092.



This preview shows how white text looks on a background with the Yxy color 34.0797, 0.5402, 0.4092.

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

34.0797, 0.5402, 0.4092

Protanopia

34.3154, 0.4357, 0.4839

Deuteranopia

34.0921, 0.4720, 0.4634



Tritanopia

34.0858, 0.4613, 0.3212

Trichromacy



Original Color

34.0797, 0.5402, 0.4092

Protanomaly

33.4531, 0.4755, 0.4563

Deuteranomaly

33.6487, 0.4980, 0.4428

Tritanomaly

33.7146, 0.5085, 0.3670

Monochromacy



Original Color

34.0797, 0.5402, 0.4092

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.3407, 0.4118, 0.3925

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0797, 0.5402, 0.4092 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(245, 125, 0)` looks like.

```
.text, #text, p{  
    color:rgb(245, 125, 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(245, 125, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 125, 0) }
```

Border

The CSS property to change the border of an element to Yxy 34.0797, 0.5402, 0.4092 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(245, 125, 0) }
```

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

```
.border{ border-color:rgb(245, 125, 0) }
```

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

Here you see how a box with a 4 pixel rgb(245, 125, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 125, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 125, 0);  
box-shadow:4px 4px 4px 4px rgb(245, 125,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0797, 0.5402, 0.4092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 125, 0) }
```

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

```
.background{ background-color: rgb(245,  
125, 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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