

Converting Colors

$Y_{xy}(34.4354, 0.5421, 0.4078)$

Have a look what the booklet for
Yxy(34.4354, 0.5421, 0.4078)
contains.

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Color

Yxy(34.4414, 0.5415, 0.4082)

Conversions

Conversions Part 1

Format	Color
Hex	F77D00
RGB	247, 125, 0
RGB Percent	97%, 49%, 0%
CMY	0.0314, 0.5097, 0.9994
CMYK	0.00, 0.49, 1.00, 0.03
HSL	30°, 100%, 48%
HSV	30°, 100%, 97%
XYZ	45.6884, 34.4414, 4.2440
YIQ	147.2280, 112.8370, -13.0110

Conversions

Conversions Part 2

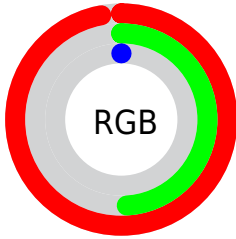
Format	Color
R _Y B	241, 247, 0
Decimal	16219392
CIE Lab	65.31, 41.19, 72.38
CIE LCh	65, 83.283, 60.354
Yxy	34.4414, 0.5415, 0.4082
Android (android.graphics.Color)	4294409472 (0xFFFF77D00)
YUV	147.2280, -72.5834, 87.5000
Hunter-Lab	58.6868, 36.2627, 36.7931

Details

The Yxy color **34.4414, 0.5415, 0.4082** 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 **20.6650, 0.1758, 0.1529**, and the grayscale version is **29.5579, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.9681, 0.4647, 0.4285**, and **14.8324, 0.5698, 0.3857** is the 20% darker color. If you saturate the color by 10%, you get **34.4235, 0.5416, 0.4082**, and if you desaturate by 10%, it is **37.7953, 0.5220, 0.4153**.

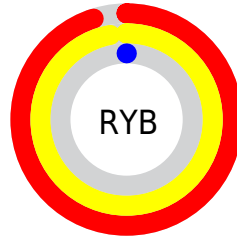
Distribution



Red (97%)

Green (49%)

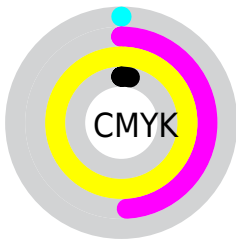
Blue (0%)



Red (95%)

Yellow (97%)

Blue (0%)

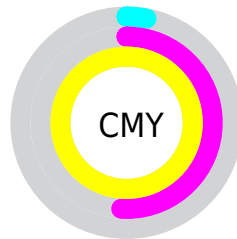


Cyan (0%)

Magenta (49%)

Yellow (100%)

Black (3%)



Cyan (3%)

Magenta (51%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.4414, 0.5415, 0.4082 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 34.4414, 0.5415, 0.4082 by changing the saturation by 10% instead.


 34.4414, 0.5415,
0.4082

 34.4414, 0.5415,
0.4082


322.0958, 0.4324,
0.3865


 23.2329, 0.5630,
0.4062


 66.6195, 0.5055,
0.4058


 14.7656, 0.5883,
0.4008


 88.3579, 0.4907,
0.4032


 8.6550, 0.6134,
0.3866


 114.3750, 0.4777,
0.4004

 4.5169, 0.6396,
0.3604

 145.0553, 0.4664,
0.3974

 1.9667, 0.6788,
0.3212

 180.7831, 0.4563,
0.3945


 0.5880, 0.7528,
0.2472

 221.9429, 0.4474,

 0.0000, 1.0000,

0.3917

0.0000


 268.9190, 0.4395,
0.3890

 0.0000, 0.0000,
0.0000

 34.4414, 0.5415,
0.4082

 34.4414, 0.5415,
0.4082


 34.4235, 0.5416,
0.4082

 37.7953, 0.5220,
0.4153

 41.6278, 0.4986,
0.4174

 45.9799, 0.4723,
0.4140

 50.8797, 0.4447,
0.4062

 56.3522, 0.4176,
0.3952

■ 62.4204, 0.3919,
0.3824

■ 69.1053, 0.3685,
0.3687

■ 76.4270, 0.3474,
0.3549

■ 84.4043, 0.3289,
0.3416

Harmonies

Analogous

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



34.4414, 0.5478, 0.3293



34.4414, 0.5415, 0.4082



34.4414, 0.4687, 0.4953

Triad

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



34.4414, 0.5415, 0.4082



34.4414, 0.1670, 0.3965



34.4414, 0.2188, 0.1638

Complementary

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



34.4414, 0.5415, 0.4082



20.6650, 0.1758, 0.1529

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.



34.4414, 0.1500, 0.1571



34.4414, 0.5415, 0.4082



34.4414, 0.1234, 0.2583

Square

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



34.4414, 0.5415, 0.4082



34.4414, 0.2555, 0.5381



34.4414, 0.1199, 0.1835



34.4414, 0.3320, 0.1989

Rectangle

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



34.4414, 0.5415, 0.4082



34.4414, 0.4013, 0.5469



34.4414, 0.1199, 0.1835



34.4414, 0.1910, 0.1583

Sweetspot

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



34.4433, 0.5415, 0.4082



74.2225, 0.3687, 0.3689



21.2192, 0.4996, 0.2526



15.2199, 0.3783, 0.3747



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.



34.4433, 0.5415, 0.4082



36.9590, 0.5419, 0.4080



86.2844, 0.4193, 0.5052



17.8681, 0.3281, 0.3410



18.4928, 0.5391, 0.4102



1.8310, 0.5200, 0.4253

Inverse Universe

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



20.6650, 0.1758, 0.1529



22.1432, 0.1757, 0.1525



6.7189, 0.1500, 0.0600



17.2792, 0.2980, 0.3167



11.2031, 0.1766, 0.1557



1.1900, 0.1829, 0.1785

Previews

White Background



This preview shows how the Yxy color 34.4414, 0.5415, 0.4082 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 34.4414, 0.5415, 0.4082 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 34.4414, 0.5415, 0.4082

Background



This preview shows how black text looks on a background with the Yxy color 34.4414, 0.5415, 0.4082.



This preview shows how white text looks on a background with the Yxy color 34.4414, 0.5415, 0.4082.

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

34.4414, 0.5415, 0.4082

Protanopia

34.4341, 0.4367, 0.4831

Deuteranopia

34.5507, 0.4717, 0.4636



Tritanopia

34.4552, 0.4632, 0.3213

Trichromacy



Original Color

34.4414, 0.5415, 0.4082

Protanomaly

33.7339, 0.4774, 0.4548

Deuteranomaly

34.2514, 0.4984, 0.4424

Tritanomaly

34.0822, 0.5101, 0.3665

Monochromacy



Original Color

34.4414, 0.5415, 0.4082

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 34.4414, 0.5415, 0.4082 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(247, 125, 0)` looks like.

```
.text, #text, p{  
  color:rgb(247, 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(247, 125, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 125, 0) }
```

Border

The CSS property to change the border of an element to Yxy 34.4414, 0.5415, 0.4082 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(247, 125, 0) }
```

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

```
.border{ border-color:rgb(247, 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(247, 125, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 125, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 125, 0);  
box-shadow:4px 4px 4px 4px rgb(247, 125,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 34.4414, 0.5415, 0.4082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 125, 0) }
```

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

```
.background{ background-color: rgb(247,  
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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