

Converting Colors

$Yxy(33.9494, 0.5490, 0.3901)$

Have a look what the booklet for
Yxy(33.9494, 0.5490, 0.3901)
contains.

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Color

Yxy(33.8497, 0.5493, 0.3895)

Conversions

Conversions Part 1

Format	Color
Hex	FF741F
RGB	255, 116, 31
RGB Percent	100%, 45%, 12%
CMY	0.0000, 0.5451, 0.8782
CMYK	0.00, 0.55, 0.88, 0.00
HSL	23°, 100%, 56%
HSV	23°, 88%, 100%
XYZ	47.7372, 33.8497, 5.3186
YIQ	147.8710, 110.1290, 3.0330

Conversions

Conversions Part 2

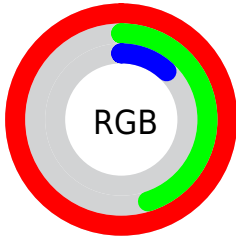
Format	Color
R _Y B	255, 168, 31
Decimal	16741407
CIE Lab	64.84, 48.98, 66.27
CIE LCh	65, 82.411, 53.532
Yxy	33.8497, 0.5493, 0.3895
Android (android.graphics.Color)	4294931487 (0xFFFF741F)
YUV	147.8710, -57.6174, 93.9521
Hunter-Lab	58.1805, 44.6437, 35.3063

Details

The Yxy color **33.8497, 0.5493, 0.3895** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed orange. A complement of this color would be **36.2900, 0.1951, 0.2145**, and the grayscale version is **29.7700, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.0577, 0.4629, 0.4112**, and **14.3924, 0.5899, 0.3698** is the 20% darker color. If you saturate the color by 10%, you get **30.4186, 0.5739, 0.3808**, and if you desaturate by 10%, it is **38.0063, 0.5190, 0.3930**.

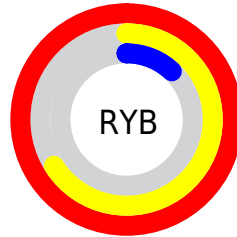
Distribution



Red (100%)

Green (45%)

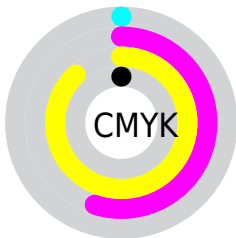
Blue (12%)



Red (100%)

Yellow (66%)

Blue (12%)

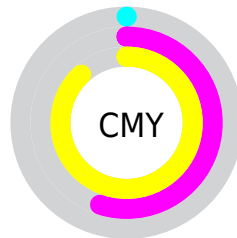


Cyan (0%)

Magenta (55%)

Yellow (88%)

Black (0%)



Cyan (0%)

Magenta (55%)

Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.8497, 0.5493, 0.3895 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 33.8497, 0.5493, 0.3895 by changing the saturation by 10% instead.


 33.8497, 0.5493,
0.3895

 33.8497, 0.5493,
0.3895


319.4613, 0.4335,
0.3760


 22.7782, 0.5736,
0.3862


 65.6999, 0.5100,
0.3895


 14.4298, 0.6013,
0.3785


 87.2473, 0.4942,
0.3880


 8.4202, 0.6351,
0.3649


 113.0555, 0.4806,
0.3861

 4.3650, 0.6650,
0.3350

 143.5088, 0.4686,
0.3841

 1.8797, 0.7089,
0.2911

 178.9916, 0.4582,
0.3820

 0.5362, 0.7914,
0.2086

 219.8884, 0.4490,

 0.0000, 1.0000,

0.3799

0.0000

266.5835, 0.4408,
0.3779

■ 0.0000, 0.0000,
0.0000

■ 33.8497, 0.5493,
0.3895

■ 33.8497, 0.5493,
0.3895

■ 30.4186, 0.5739,
0.3808

■ 38.0063, 0.5190,
0.3930

■ 29.7556, 0.5788,
0.3786

■ 42.9418, 0.4858,
0.3914

■ 48.7000, 0.4523,
0.3857

■ 55.3210, 0.4205,
0.3773

■ 62.8420, 0.3917,
0.3674

71.2977, 0.3663,
0.3569

80.7206, 0.3444,
0.3464

91.1417, 0.3255,
0.3364

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



33.8497, 0.5355, 0.3127



33.8497, 0.5493, 0.3895



33.8497, 0.4886, 0.4751

Triad

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



33.8497, 0.5493, 0.3895



33.8497, 0.1841, 0.4327



33.8497, 0.1997, 0.1603

Complementary

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



33.8497, 0.5493, 0.3895



36.2900, 0.1951, 0.2145

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.



33.8497, 0.1406, 0.1604



33.8497, 0.5493, 0.3895



33.8497, 0.1300, 0.2847

Square

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



33.8497, 0.5493, 0.3895



33.8497, 0.2801, 0.5550



33.8497, 0.1183, 0.1960



33.8497, 0.3029, 0.1890

Rectangle

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



33.8497, 0.5493, 0.3895



33.8497, 0.4251, 0.5305



33.8497, 0.1183, 0.1960



33.8497, 0.1754, 0.1570

Sweetspot

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



33.8491, 0.5493, 0.3895



72.9354, 0.3621, 0.3550



25.2567, 0.4237, 0.2172



14.9482, 0.3703, 0.3586



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.



33.8491, 0.5493, 0.3895



29.7556, 0.5788, 0.3786



75.2870, 0.4389, 0.4827



19.1160, 0.3285, 0.3381



15.8125, 0.5758, 0.3810



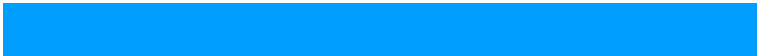
1.7422, 0.5546, 0.3979

Inverse Universe

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



36.2900, 0.1951, 0.2145



31.7733, 0.1881, 0.1971



10.8422, 0.1600, 0.0855



19.2561, 0.2979, 0.3198



16.8994, 0.1887, 0.1994



1.8563, 0.1933, 0.2158

Previews

White Background



This preview shows how the Yxy color 33.8497, 0.5493, 0.3895 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 33.8497, 0.5493, 0.3895 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 33.8497, 0.5493, 0.3895

Background



This preview shows how black text looks on a background with the Yxy color 33.8497, 0.5493, 0.3895.



This preview shows how white text looks on a background with the Yxy color 33.8497, 0.5493, 0.3895.

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

33.8497, 0.5493, 0.3895

Protanopia

33.9680, 0.4282, 0.4726

Deuteranopia

33.9548, 0.4711, 0.4642



Tritanopia

33.9132, 0.4785, 0.3237

Trichromacy



Original Color

33.8497, 0.5493, 0.3895

Protanomaly

32.7640, 0.4751, 0.4403

Deuteranomaly

33.2612, 0.5025, 0.4357

Tritanomaly

33.7421, 0.5123, 0.3540

Monochromacy



Original Color

33.8497, 0.5493, 0.3895

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.1930, 0.4064, 0.3725

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8497, 0.5493, 0.3895 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(255, 116, 31)` looks like.

```
.text, #text, p{  
    color:rgb(255, 116, 31)  
}
```

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(255, 116, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 116, 31) }
```

Border

The CSS property to change the border of an element to Yxy 33.8497, 0.5493, 0.3895 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(255, 116, 31) }
```

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

```
.border{ border-color:rgb(255, 116, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 116, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 116, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 116, 31);  
box-shadow:4px 4px 4px 4px rgb(255, 116,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8497, 0.5493, 0.3895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 116, 31) }
```

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

```
.background{ background-color: rgb(255,  
116, 31) }
```

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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