

Converting Colors

$Y_{xy}(34.7198, 0.5433, 0.3913)$

Have a look what the booklet for
Yxy(34.7198, 0.5433, 0.3913)
contains.

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Color

Yxy(34.8203, 0.5428, 0.3915)

Conversions

Conversions Part 1

Format	Color
Hex	FF7824
RGB	255, 120, 36
RGB Percent	100%, 47%, 14%
CMY	0.0000, 0.5294, 0.8589
CMYK	0.00, 0.53, 0.86, 0.00
HSL	23°, 100%, 57%
HSV	23°, 86%, 100%
XYZ	48.2770, 34.8203, 5.8434
YIQ	150.7890, 107.4240, 2.4960

Conversions

Conversions Part 2

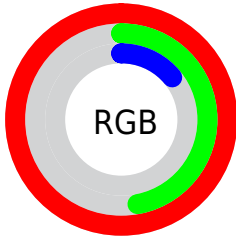
Format	Color
R_{YB}	255, 172, 36
Decimal	16742436
CIE _{Lab}	65.61, 47.18, 65.26
CIE _{LCh}	66, 80.530, 54.139
Yxy	34.8203, 0.5428, 0.3915
Android (android.graphics.Color)	4294932516 (0xFFFF7824)
YUV	150.7890, -56.5910, 91.3930
Hunter-Lab	59.0087, 42.7716, 35.4348

Details

The Yxy color **34.8203, 0.5428, 0.3915** is a dark color, and the websafe version is hex **FF6600**. The color can be described as middle washed orange. A complement of this color would be **36.7106, 0.1961, 0.2160**, and the grayscale version is **31.0634, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.6581, 0.4570, 0.4119**, and **15.0907, 0.5836, 0.3748** is the 20% darker color. If you saturate the color by 10%, you get **31.2411, 0.5684, 0.3838**, and if you desaturate by 10%, it is **39.1314, 0.5119, 0.3939**.

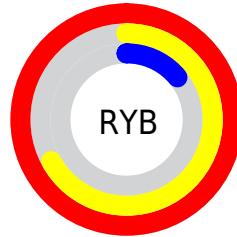
Distribution



Red (100%)

Green (47%)

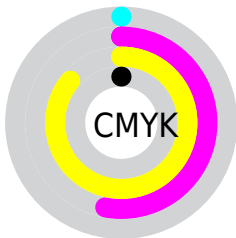
Blue (14%)



Red (100%)

Yellow (67%)

Blue (14%)

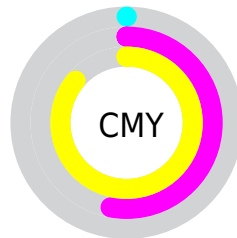


Cyan (0%)

Magenta (53%)

Yellow (86%)

Black (0%)



Cyan (0%)


Magenta (53%)


Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.8203, 0.5428, 0.3915 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 34.8203, 0.5428, 0.3915 by changing the saturation by 10% instead.


 34.8203, 0.5428,
0.3915


 34.8203, 0.5428,
0.3915


323.7744, 0.4302,
0.3760

 23.5245, 0.5666,
0.3891


 67.2073, 0.5045,
0.3905

 14.9813, 0.5937,
0.3824


 89.0673, 0.4892,
0.3887

 8.8062, 0.6286,
0.3714


 115.2174, 0.4759,
0.3866

 4.6150, 0.6570,
0.3430

 146.0421, 0.4643,
0.3844

 2.0232, 0.6987,
0.3013

 181.9257, 0.4541,
0.3822

 0.6209, 0.7719,
0.2281

 223.2528, 0.4452,

 0.0000, 1.0000,

0.3800

0.0000

270.4075, 0.4373,
0.3779

■ 0.0000, 0.0000,
0.0000

■ 34.8203, 0.5428,
0.3915

■ 34.8203, 0.5428,
0.3915

■ 31.2411, 0.5684,
0.3838

■ 39.1314, 0.5119,
0.3939


■ 29.9632, 0.5776,
0.3796

■ 44.2217, 0.4787,
0.3913


■ 50.1343, 0.4456,
0.3849

■ 56.9081, 0.4145,
0.3760

■ 64.5790, 0.3864,
0.3658

 73.1810, 0.3618,
0.3552

 82.7456, 0.3405,
0.3446

 93.3032, 0.3222,
0.3346

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.



34.8203, 0.5300, 0.3156



34.8203, 0.5428, 0.3915



34.8203, 0.4838, 0.4749

Triad

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



34.8203, 0.5428, 0.3915



34.8203, 0.1865, 0.4261



34.8203, 0.2043, 0.1644

Complementary

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



34.8203, 0.5428, 0.3915



36.7106, 0.1961, 0.2160

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.



34.8203, 0.1453, 0.1641



34.8203, 0.5428, 0.3915



34.8203, 0.1338, 0.2843

Square

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



34.8203, 0.5428, 0.3915



34.8203, 0.2801, 0.5455



34.8203, 0.1226, 0.1987



34.8203, 0.3060, 0.1932

Rectangle

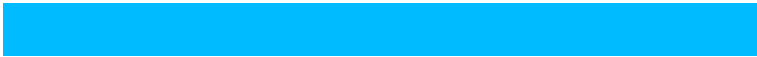
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



34.8203, 0.5428, 0.3915



34.8203, 0.4219, 0.5275



34.8203, 0.1226, 0.1987



34.8203, 0.1801, 0.1610

Sweetspot

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



34.8207, 0.5428, 0.3915



73.0827, 0.3620, 0.3553



25.4621, 0.4260, 0.2203



14.9827, 0.3702, 0.3590



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.



34.8207, 0.5428, 0.3915



29.9632, 0.5776, 0.3796



77.6737, 0.4347, 0.4844



19.1294, 0.3285, 0.3382



15.9228, 0.5746, 0.3819



1.7539, 0.5534, 0.3988

Inverse Universe

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



36.7106, 0.1961, 0.2160



31.3922, 0.1876, 0.1955



10.9889, 0.1611, 0.0864



19.2423, 0.2979, 0.3197



16.7010, 0.1883, 0.1978



1.8377, 0.1929, 0.2144

Previews

White Background



This preview shows how the Yxy color 34.8203, 0.5428, 0.3915 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 34.8203, 0.5428, 0.3915 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 34.8203, 0.5428, 0.3915

Background



This preview shows how black text looks on a background with the Yxy color 34.8203, 0.5428, 0.3915.



This preview shows how white text looks on a background with the Yxy color 34.8203, 0.5428, 0.3915.

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

34.8203, 0.5428, 0.3915

Protanopia

34.9226, 0.4264, 0.4704

Deuteranopia

34.7272, 0.4700, 0.4596



Tritanopia

34.9266, 0.4699, 0.3226

Trichromacy



Original Color

34.8203, 0.5428, 0.3915

Protanomaly

33.6834, 0.4727, 0.4389

Deuteranomaly

34.1902, 0.4989, 0.4335

Tritanomaly

34.7379, 0.5039, 0.3537

Monochromacy



Original Color

34.8203, 0.5428, 0.3915

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

30.6791, 0.4018, 0.3721

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.8203, 0.5428, 0.3915 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, 120, 36)` looks like.

```
.text, #text, p{  
    color:rgb(255, 120, 36)  
}
```

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, 120, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 120, 36) }
```

Border

The CSS property to change the border of an element to Yxy 34.8203, 0.5428, 0.3915 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, 120, 36) }
```

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

```
.border{ border-color:rgb(255, 120, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 120, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 120, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 120, 36);  
box-shadow:4px 4px 4px 4px rgb(255, 120,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 34.8203, 0.5428, 0.3915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 120, 36) }
```

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

```
.background{ background-color: rgb(255,  
120, 36) }
```

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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