

Converting Colors

$Y_{xy}(34.0165, 0.5466, 0.3885)$

Have a look what the booklet for
Yxy(34.0165, 0.5466, 0.3885)
contains.

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Color

Yxy(34.1100, 0.5461, 0.3887)

Conversions

Conversions Part 1

Format	Color
Hex	FF7524
RGB	255, 117, 36
RGB Percent	100%, 46%, 14%
CMY	0.0000, 0.5412, 0.8591
CMYK	0.00, 0.54, 0.86, 0.00
HSL	22°, 100%, 57%
HSV	22°, 86%, 100%
XYZ	47.9225, 34.1100, 5.7216
YIQ	149.0280, 108.2490, 4.0650

Conversions

Conversions Part 2

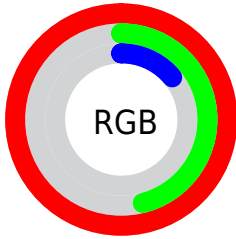
Format	Color
R_{YB}	255, 165, 36
Decimal	16741668
CIE Lab	65.05, 48.61, 64.83
CIE LCh	65, 81.027, 53.140
Yxy	34.1100, 0.5461, 0.3887
Android (android.graphics.Color)	4294931748 (0xFFFF7524)
YUV	149.0280, -55.7228, 92.9374
Hunter-Lab	58.4038, 44.2594, 35.0743

Details

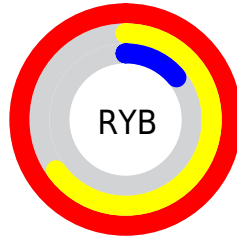
The Yxy color **34.1100, 0.5461, 0.3887** is a dark color, and the websafe version is hex **FF6600**. The color can be described as middle washed orange. A complement of this color would be **37.8401, 0.1972, 0.2202**, and the grayscale version is **30.2684, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.5032, 0.4594, 0.4091**, and **14.7432, 0.5877, 0.3716** is the 20% darker color. If you saturate the color by 10%, you get **30.5779, 0.5721, 0.3808**, and if you desaturate by 10%, it is **38.3941, 0.5146, 0.3913**.

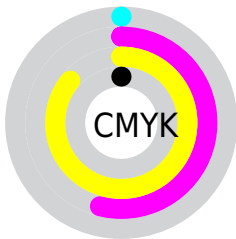
Distribution



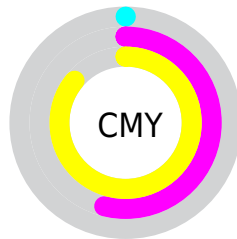
- Red (100%)
- Green (46%)
- Blue (14%)



- Red (100%)
- Yellow (65%)
- Blue (14%)



- Cyan (0%)
- Magenta (54%)
- Yellow (86%)
- Black (0%)





- Cyan (0%)
- Magenta (54%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.1100, 0.5461, 0.3887 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 34.1100, 0.5461, 0.3887 by changing the saturation by 10% instead.

 34.1100, 0.5461,
0.3887

 34.1100, 0.5461,
0.3887

320.6223, 0.4314,
0.3748


 22.9781, 0.5704,
0.3858


 66.1047, 0.5070,
0.3883


 14.5773, 0.5982,
0.3785


 87.7363, 0.4914,
0.3868


 8.5233, 0.6337,
0.3663


 113.6366, 0.4778,
0.3849

 4.4316, 0.6631,
0.3369

 144.1900, 0.4661,
0.3828

 1.9178, 0.7065,
0.2935

 179.7808, 0.4558,
0.3807

 0.5590, 0.7863,
0.2137

 220.7936, 0.4467,

 0.0000, 1.0000,

0.3787

0.0000

267.6126, 0.4386,
0.3767

■ 0.0000, 0.0000,
0.0000

■ 34.1100, 0.5461,
0.3887

■ 34.1100, 0.5461,
0.3887

■ 30.5779, 0.5721,
0.3808

■ 38.3941, 0.5146,
0.3913


■ 29.3304, 0.5813,
0.3766

■ 43.4822, 0.4807,
0.3890


■ 49.4187, 0.4469,
0.3829

■ 56.2443, 0.4154,
0.3744

■ 63.9970, 0.3869,
0.3645

 72.7119, 0.3620,
0.3543

 82.4225, 0.3406,
0.3441

 93.1603, 0.3222,
0.3344

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.



34.1100, 0.5307, 0.3126



34.1100, 0.5461, 0.3887



34.1100, 0.4878, 0.4728

Triad

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



34.1100, 0.5461, 0.3887



34.1100, 0.1875, 0.4326



34.1100, 0.2005, 0.1624

Complementary

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



34.1100, 0.5461, 0.3887



37.8401, 0.1972, 0.2202

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.



34.1100, 0.1424, 0.1630



34.1100, 0.5461, 0.3887



34.1100, 0.1331, 0.2875

Square

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



34.1100, 0.5461, 0.3887



34.1100, 0.2828, 0.5508



34.1100, 0.1207, 0.1991



34.1100, 0.3017, 0.1905

Rectangle

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



34.1100, 0.5461, 0.3887



34.1100, 0.4257, 0.5269



34.1100, 0.1207, 0.1991



34.1100, 0.1766, 0.1592

Sweetspot

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



34.1096, 0.5461, 0.3887



72.6278, 0.3623, 0.3544



25.6001, 0.4205, 0.2171



14.8761, 0.3705, 0.3579



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.



34.1096, 0.5461, 0.3887



29.3304, 0.5813, 0.3766



75.6661, 0.4375, 0.4819



19.0879, 0.3285, 0.3378



15.5865, 0.5784, 0.3790



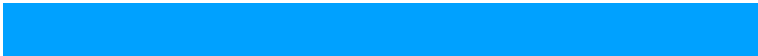
1.7182, 0.5569, 0.3960

Inverse Universe

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



37.8401, 0.1972, 0.2202



32.5826, 0.1890, 0.2004



11.3908, 0.1618, 0.0891



19.2851, 0.2979, 0.3200



17.3205, 0.1896, 0.2027



1.8956, 0.1941, 0.2187

Previews

White Background



This preview shows how the Yxy color 34.1100, 0.5461, 0.3887 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 34.1100, 0.5461, 0.3887 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 34.1100, 0.5461, 0.3887

Background



This preview shows how black text looks on a background with the Yxy color 34.1100, 0.5461, 0.3887.



This preview shows how white text looks on a background with the Yxy color 34.1100, 0.5461, 0.3887.

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

34.1100, 0.5461, 0.3887

Protanopia

34.3406, 0.4253, 0.4708

Deuteranopia

34.1238, 0.4697, 0.4605



Tritanopia

34.1803, 0.4754, 0.3226

Trichromacy



Original Color

34.1100, 0.5461, 0.3887

Protanomaly

33.0928, 0.4719, 0.4391

Deuteranomaly

33.4505, 0.5008, 0.4323

Tritanomaly

34.0159, 0.5084, 0.3525

Monochromacy



Original Color

34.1100, 0.5461, 0.3887

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

29.6654, 0.4036, 0.3696

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.1100, 0.5461, 0.3887 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, 117, 36)` looks like.

```
.text, #text, p{  
    color:rgb(255, 117, 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, 117, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 117, 36) }
```

Border

The CSS property to change the border of an element to Yxy 34.1100, 0.5461, 0.3887 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, 117, 36) }
```

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

```
.border{ border-color:rgb(255, 117, 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, 117, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 117, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 117, 36);  
box-shadow:4px 4px 4px 4px rgb(255, 117,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 34.1100, 0.5461, 0.3887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 117, 36) }
```

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

```
.background{ background-color: rgb(255,  
117, 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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