

Converting Colors

$Y_{xy}(40.5781, 0.5642, 0.3750)$

Have a look what the booklet for
Yxy(40.5781, 0.5642, 0.3750)
contains.

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Color

Yxy(33.6747, 0.5463, 0.3852)

Conversions

Conversions Part 1

Format	Color
Hex	FF7328
RGB	255, 115, 40
RGB Percent	100%, 45%, 16%
CMY	0.0000, 0.5490, 0.8432
CMYK	0.00, 0.55, 0.84, 0.00
HSL	21°, 100%, 58%
HSV	21°, 84%, 100%
XYZ	47.7583, 33.6747, 5.9884
YIQ	148.3100, 107.5150, 6.3550

Conversions

Conversions Part 2

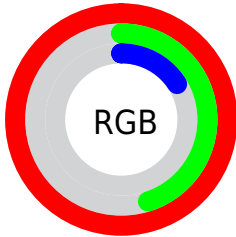
Format	Color
R _Y B	255, 155, 40
Decimal	16741160
CIE Lab	64.70, 49.64, 63.09
CIE LCh	65, 80.276, 51.801
Yxy	33.6747, 0.5463, 0.3852
Android (android.graphics.Color)	4294931240 (0xFFFF7328)
YUV	148.3100, -53.3968, 93.5671
Hunter-Lab	58.0299, 45.3521, 34.5025

Details

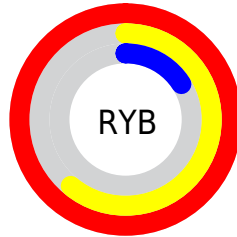
The Yxy color **33.6747, 0.5463, 0.3852** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **40.3080, 0.2002, 0.2289**, and the grayscale version is **29.9417, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.7998, 0.4588, 0.4047**, and **14.4139, 0.5917, 0.3684** is the 20% darker color. If you saturate the color by 10%, you get **30.1018, 0.5740, 0.3779**, and if you desaturate by 10%, it is **38.0412, 0.5133, 0.3874**.

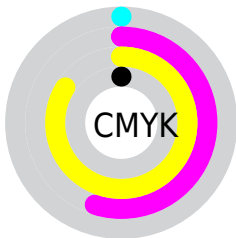
Distribution



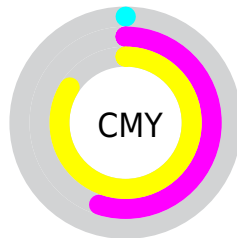
- Red (100%)
- Green (45%)
- Blue (16%)



- Red (100%)
- Yellow (61%)
- Blue (16%)



- Cyan (0%)
- Magenta (55%)
- Yellow (84%)
- Black (0%)



- Cyan (0%)
- Magenta (55%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.6747, 0.5463, 0.3852 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 33.6747, 0.5463, 0.3852 by changing the saturation by 10% instead.

 33.6747, 0.5463,
0.3852


 33.6747, 0.5463,
0.3852


318.6791, 0.4307,
0.3726

 22.6438, 0.5712,
0.3821


 65.4275, 0.5066,
0.3852


 14.3307, 0.5997,
0.3747


 86.9182, 0.4909,
0.3838

 8.3510, 0.6372,
0.3628


 112.6642, 0.4772,
0.3820

 4.3204, 0.6675,
0.3325

 143.0501, 0.4654,
0.3801

 1.8543, 0.7119,
0.2881

 178.4601, 0.4551,
0.3781

 0.5207, 0.7964,
0.2036

 219.2787, 0.4460,

 0.0000, 1.0000,

0.3762

0.0000

265.8902, 0.4379,
0.3743

■ 0.0000, 0.0000,
0.0000

■ 33.6747, 0.5463,
0.3852

■ 33.6747, 0.5463,
0.3852

■ 30.1018, 0.5740,
0.3779

■ 38.0412, 0.5133,
0.3874

■ 28.3984, 0.5871,
0.3721

■ 43.2585, 0.4781,
0.3848

■ 49.3727, 0.4437,
0.3787

■ 56.4273, 0.4118,
0.3704

■ 64.4626, 0.3834,
0.3610

73.5160, 0.3587,
0.3513

83.6234, 0.3376,
0.3418

94.8183, 0.3196,
0.3327

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.



33.6747, 0.5269, 0.3096



33.6747, 0.5463, 0.3852



33.6747, 0.4910, 0.4687

Triad

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



33.6747, 0.5463, 0.3852



33.6747, 0.1916, 0.4389



33.6747, 0.1975, 0.1623

Complementary

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



33.6747, 0.5463, 0.3852



40.3080, 0.2002, 0.2289

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.



33.6747, 0.1414, 0.1644



33.6747, 0.5463, 0.3852



33.6747, 0.1352, 0.2932

Square

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



33.6747, 0.5463, 0.3852



33.6747, 0.2879, 0.5521



33.6747, 0.1212, 0.2024



33.6747, 0.2964, 0.1892

Rectangle

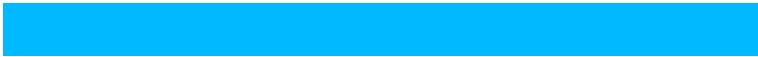
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



33.6747, 0.5463, 0.3852



33.6747, 0.4300, 0.5230



33.6747, 0.1212, 0.2024



33.6747, 0.1743, 0.1597

Sweetspot

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



33.6734, 0.5463, 0.3852



72.8682, 0.3603, 0.3520



26.2089, 0.4074, 0.2111



14.8960, 0.3686, 0.3554



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.



33.6734, 0.5463, 0.3852



28.3984, 0.5871, 0.3721



72.1615, 0.4420, 0.4761



19.0234, 0.3286, 0.3374



15.0900, 0.5841, 0.3744



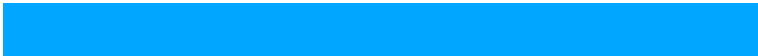
1.6647, 0.5623, 0.3917

Inverse Universe

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



40.3080, 0.2002, 0.2289



34.5064, 0.1912, 0.2081



12.8146, 0.1650, 0.0984



19.3521, 0.2980, 0.3205



18.3208, 0.1918, 0.2103



1.9887, 0.1959, 0.2254

Previews

White Background



This preview shows how the Yxy color 33.6747, 0.5463, 0.3852 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 33.6747, 0.5463, 0.3852 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 33.6747, 0.5463, 0.3852

Background



This preview shows how black text looks on a background with the Yxy color 33.6747, 0.5463, 0.3852.



This preview shows how white text looks on a background with the Yxy color 33.6747, 0.5463, 0.3852.

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

33.6747, 0.5463, 0.3852

Protanopia

33.9228, 0.4226, 0.4665

Deuteranopia

33.6989, 0.4678, 0.4575



Tritanopia

33.6962, 0.4791, 0.3227

Trichromacy



Original Color

33.6747, 0.5463, 0.3852

Protanomaly

32.5304, 0.4715, 0.4338

Deuteranomaly

33.0401, 0.4989, 0.4294

Tritanomaly

33.5696, 0.5100, 0.3505

Monochromacy



Original Color

33.6747, 0.5463, 0.3852

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.2772, 0.4019, 0.3670

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6747, 0.5463, 0.3852 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, 115, 40)` looks like.

```
.text, #text, p{  
    color:rgb(255, 115, 40)  
}
```

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, 115, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 115, 40) }
```

Border

The CSS property to change the border of an element to Yxy 33.6747, 0.5463, 0.3852 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, 115, 40) }
```

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

```
.border{ border-color:rgb(255, 115, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 115, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 115, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 115, 40);  
box-shadow:4px 4px 4px 4px rgb(255, 115,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6747, 0.5463, 0.3852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 115, 40) }
```

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

```
.background{ background-color: rgb(255,  
115, 40) }
```

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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