

# Converting Colors

Yxy(35.0992, 0.5454, 0.3963)

Have a look what the booklet for  
Yxy(35.0992, 0.5454, 0.3963)  
contains.

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# Color

**Yxy(35.0049, 0.5459, 0.3960)**

# Conversions

Conversions Part 1	
Format	Color
Hex	FF7919
RGB	255, 121, 25
RGB Percent	100%, 47%, 10%
CMY	0.0000, 0.5255, 0.9017
CMYK	0.00, 0.53, 0.90, 0.00
HSL	25°, 100%, 55%
HSV	25°, 90%, 100%
XYZ	48.2555, 35.0049, 5.1358
YIQ	150.1220, 110.6800, -1.4480

# Conversions

## Conversions Part 2

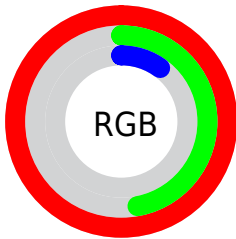
Format	Color
<a href="#">RYB</a>	<a href="#">255, 190, 25</a>
Decimal	<a href="#">16742681</a>
CIELab	<a href="#">65.75, 46.50, 68.69</a>
CIELCh	<a href="#">66, 82.947, 55.906</a>
Yxy	<a href="#">35.0049, 0.5459, 0.3960</a>
Android (android.graphics.Color)	<a href="#">4294932761</a> (0xFFFF7919)
YUV	<a href="#">150.1220, -61.6851, 91.9780</a>
Hunter-Lab	<a href="#">59.1649, 42.0477, 36.2688</a>

# Details

The Yxy color **35.0049, 0.5459, 0.3960** 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 **32.2420, 0.1901, 0.1986**, and the grayscale version is **30.7881, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.9352, 0.4608, 0.4182**, and **15.0814, 0.5816, 0.3764** is the 20% darker color. If you saturate the color by 10%, you get **31.6509, 0.5680, 0.3872**, and if you desaturate by 10%, it is **39.0643, 0.5184, 0.4001**.

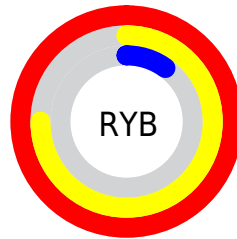
# Distribution



Red (100%)

Green (47%)

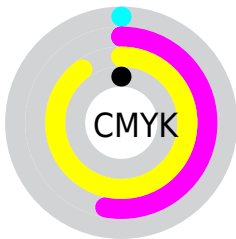
Blue (10%)



Red (100%)

Yellow (75%)

Blue (10%)

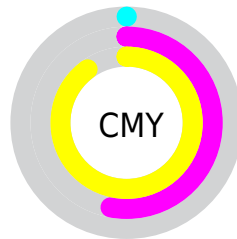


Cyan (0%)

Magenta (53%)

Yellow (90%)

Black (0%)



Cyan (0%)

Magenta (53%)


Yellow (90%)


# Brightness & Saturation Gradients


These gradients show how the Yxy color 35.0049, 0.5459, 0.3960 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 35.0049, 0.5459, 0.3960 by changing the saturation by 10% instead.




 35.0049, 0.5459,  
0.3960

 35.0049, 0.5459,  
0.3960


 324.5900, 0.4331,  
0.3796

 23.6666, 0.5690,  
0.3933


 67.4934, 0.5080,  
0.3951


 15.0865, 0.5953,  
0.3864


 89.4124, 0.4927,  
0.3932

 8.8801, 0.6265,  
0.3735

 115.6271, 0.4794,  
0.3910

 4.6631, 0.6544,  
0.3456

 146.5219, 0.4677,  
0.3886

 2.0510, 0.6956,  
0.3044

 182.4812, 0.4575,  
0.3862

 0.6368, 0.7671,  
0.2329

 223.8893, 0.4484,

 0.0000, 1.0000,

0.3839

0.0000

271.1308, 0.4403,  
0.3817

0.0000, 0.0000,  
0.0000

35.0049, 0.5459,  
0.3960

35.0049, 0.5459,  
0.3960

31.6509, 0.5680,  
0.3872

39.0643, 0.5184,  
0.4001


43.8261, 0.4875,  
0.3989


49.3308, 0.4557,  
0.3932

55.6146, 0.4249,  
0.3844

62.7104, 0.3965,  
0.3737

 70.6491, 0.3711,  
0.3623

 79.4599, 0.3489,  
0.3508

 89.1701, 0.3296,  
0.3397

99.8059, 0.3130,  
0.3292

# Harmonies

## Analogous

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



35.0049, 0.5390, 0.3187



35.0049, 0.5459, 0.3960



35.0049, 0.4813, 0.4817

# Triad

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



35.0049, 0.5459, 0.3960



35.0049, 0.1787, 0.4196



35.0049, 0.2066, 0.1621

# Complementary

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



35.0049, 0.5459, 0.3960



32.2420, 0.1901, 0.1986

# 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.



35.0049, 0.1444, 0.1599



35.0049, 0.5459, 0.3960



35.0049, 0.1283, 0.2756

# Square

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



35.0049, 0.5459, 0.3960



35.0049, 0.2720, 0.5484



35.0049, 0.1195, 0.1922



35.0049, 0.3129, 0.1930



# Rectangle

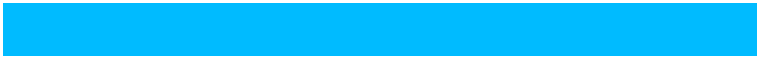
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



35.0049, 0.5459, 0.3960



35.0049, 0.4167, 0.5356



35.0049, 0.1195, 0.1922



35.0049, 0.1812, 0.1580

# Sweetspot

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



35.0055, 0.5459, 0.3960



73.3504, 0.3637, 0.3587



24.4674, 0.4456, 0.2278



15.0789, 0.3717, 0.3626



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.



35.0055, 0.5459, 0.3960



31.6509, 0.5680, 0.3872



81.2280, 0.4314, 0.4910



19.2324, 0.3284, 0.3390



16.8170, 0.5651, 0.3895

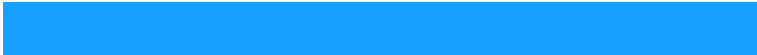


1.8473, 0.5448, 0.4056

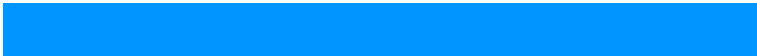


# Inverse Universe

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



32.2420, 0.1901, 0.1986



28.5883, 0.1843, 0.1833



9.2449, 0.1562, 0.0746



19.1366, 0.2979, 0.3188



15.2398, 0.1850, 0.1859



1.6998, 0.1899, 0.2038



# Previews

## White Background



This preview shows how the Yxy color 35.0049, 0.5459, 0.3960 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 35.0049, 0.5459, 0.3960 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 35.0049, 0.5459, 0.3960**

## **Background**



This preview shows how black text looks on a background with the Yxy color 35.0049, 0.5459, 0.3960.



This preview shows how white text looks on a background with the Yxy color 35.0049, 0.5459, 0.3960.

# 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

35.0049, 0.5459, 0.3960

### Protanopia

35.3204, 0.4308, 0.4772

### Deuteranopia

35.0130, 0.4714, 0.4639



## Tritanopia

34.9266, 0.4699, 0.3226

# Trichromacy



## Original Color

35.0049, 0.5459, 0.3960

## Protanomaly

33.9275, 0.4760, 0.4452

## Deuteranomaly

34.4416, 0.5008, 0.4378

## Tritanomaly

34.6707, 0.5079, 0.3571

# Monochromacy



## Original Color

35.0049, 0.5459, 0.3960

## Achromatopsia

30.4987, 0.3127, 0.3290

## Achromatomaly

30.1765, 0.4056, 0.3764

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.0049, 0.5459, 0.3960 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, 121, 25)` looks like.

```
.text, #text, p{  
    color:rgb(255, 121, 25)  
}
```

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, 121, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 121, 25) }
```

## Border

The CSS property to change the border of an element to Yxy 35.0049, 0.5459, 0.3960 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, 121, 25) }
```

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

```
.border{ border-color:rgb(255, 121, 25) }
```

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

Here you see how a box with a 4 pixel rgb(255, 121, 25) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 121, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 121, 25);  
box-shadow:4px 4px 4px 4px rgb(255, 121,  
25) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.0049, 0.5459, 0.3960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 121, 25) }
```

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

```
.background{ background-color: rgb(255,  
121, 25) }
```

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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