

# Converting Colors

Yxy(34.9143, 0.5451, 0.4033)

Have a look what the booklet for  
Yxy(34.9143, 0.5451, 0.4033)  
contains.

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**Color**

**Yxy(34.8789, 0.5457, 0.4027)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FC7B08
RGB	252, 123, 8
RGB Percent	99%, 48%, 3%
CMY	0.0119, 0.5175, 0.9688
CMYK	0.00, 0.51, 0.97, 0.01
HSL	28°, 98%, 51%
HSV	28°, 97%, 99%
XYZ	47.2645, 34.8789, 4.4692
YIQ	148.4610, 113.7990, -8.4170

# Conversions

## Conversions Part 2

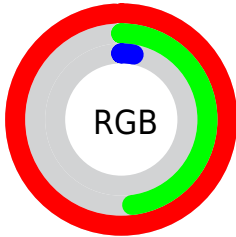
Format	Color
R <sub>Y</sub> B	252, 226, 8
Decimal	16546568
CIE Lab	65.65, 44.17, 71.79
CIE LCh	66, 84.293, 58.399
Yxy	34.8789, 0.5457, 0.4027
Android (android.graphics.Color)	4294736648 (0xFFFC7B08)
YUV	148.4610, -69.2473, 90.8037
Hunter-Lab	59.0584, 39.5017, 36.8541

# Details

The Yxy color **34.8789, 0.5457, 0.4027** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **24.9393, 0.1809, 0.1696**, and the grayscale version is **30.0779, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.2123, 0.4647, 0.4247**, and **15.1978, 0.5761, 0.3808** is the 20% darker color. If you saturate the color by 10%, you get **33.8431, 0.5520, 0.3999**, and if you desaturate by 10%, it is **38.5062, 0.5238, 0.4094**.

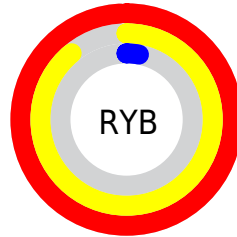
# Distribution



Red (99%)

Green (48%)

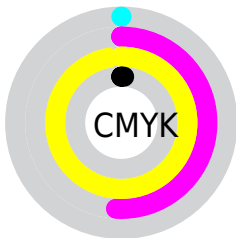
Blue (3%)



Red (99%)

Yellow (89%)

Blue (3%)

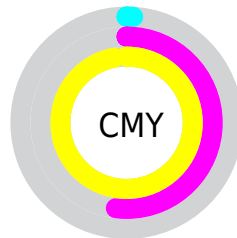


Cyan (0%)

Magenta (51%)

Yellow (97%)

Black (1%)



Cyan (1%)

Magenta (52%)


Yellow (97%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 34.8789, 0.5457, 0.4027 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 34.8789, 0.5457, 0.4027 by changing the saturation by 10% instead.





 34.8789, 0.5457,  
0.4027


 34.8789, 0.5457,  
0.4027


324.0335, 0.4343,  
0.3840

 23.5696, 0.5679,  
0.4001


 67.2981, 0.5088,  
0.4013


 15.0147, 0.5936,  
0.3937


 89.1768, 0.4937,  
0.3991


 8.8297, 0.6206,  
0.3794


 115.3475, 0.4805,  
0.3966

 4.6303, 0.6477,  
0.3523

 146.1945, 0.4689,  
0.3940

 2.0320, 0.6880,  
0.3120

 182.1021, 0.4587,  
0.3914

 0.6260, 0.7595,  
0.2405

 223.4550, 0.4496,


 0.0000, 1.0000,


0.3888


0.0000

 270.6373, 0.4415,  
0.3863


 0.0000, 0.0000,  
0.0000

 34.8789, 0.5457,  
0.4027


 34.8789, 0.5457,  
0.4027


 33.8431, 0.5520,  
0.3999

 38.5062, 0.5238,  
0.4094

 42.7030, 0.4976,  
0.4105

 47.5079, 0.4689,  
0.4064

 52.9522, 0.4397,  
0.3983

 59.0643, 0.4117,  
0.3874

65.8704, 0.3857,  
0.3751

73.3949, 0.3624,  
0.3622

81.6608, 0.3417,  
0.3493

90.6899, 0.3237,  
0.3370

# Harmonies

## Analogous

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



34.8789, 0.5467, 0.3241



34.8789, 0.5457, 0.4027



34.8789, 0.4753, 0.4902

# Triad

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



34.8789, 0.5457, 0.4027



34.8789, 0.1705, 0.4076



34.8789, 0.2123, 0.1616

# Complementary

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



34.8789, 0.5457, 0.4027



24.9393, 0.1809, 0.1696

# 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.



34.8789, 0.1460, 0.1568



34.8789, 0.5457, 0.4027



34.8789, 0.1238, 0.2648

# Square

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



34.8789, 0.5457, 0.4027



34.8789, 0.2618, 0.5461



34.8789, 0.1181, 0.1857



34.8789, 0.3235, 0.1950



# Rectangle

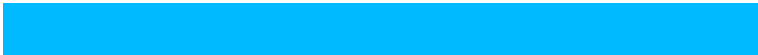
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



34.8789, 0.5457, 0.4027



34.8789, 0.4084, 0.5439



34.8789, 0.1181, 0.1857



34.8789, 0.1853, 0.1567

# Sweetspot

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



34.8808, 0.5457, 0.4027



73.6710, 0.3672, 0.3650



22.7008, 0.4787, 0.2425



15.0576, 0.3771, 0.3705



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.



34.8808, 0.5457, 0.4027



34.7543, 0.5521, 0.3998



85.3126, 0.4247, 0.4999



18.5751, 0.3282, 0.3402



17.9234, 0.5493, 0.4021



1.8704, 0.5297, 0.4176



# Inverse Universe

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



24.9393, 0.1809, 0.1696



24.4769, 0.1790, 0.1642



7.4510, 0.1515, 0.0632



18.1614, 0.2980, 0.3175



12.7202, 0.1798, 0.1671



1.3905, 0.1855, 0.1878



# Previews

## White Background



This preview shows how the Yxy color 34.8789, 0.5457, 0.4027 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

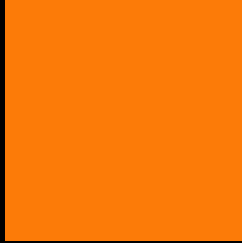
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 34.8789, 0.5457, 0.4027 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 34.8789, 0.5457, 0.4027**

## **Background**



This preview shows how black text looks on a background with the Yxy color 34.8789, 0.5457, 0.4027.



This preview shows how white text looks on a background with the Yxy color 34.8789, 0.5457, 0.4027.

# 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

34.8789, 0.5457, 0.4027

### Protanopia

34.9109, 0.4358, 0.4821

### Deuteranopia

35.0130, 0.4714, 0.4639



## Tritanopia

34.9515, 0.4687, 0.3215

# Trichromacy



## Original Color

34.8789, 0.5457, 0.4027

## Protanomaly

34.0329, 0.4782, 0.4521

## Deuteranomaly

34.2720, 0.5009, 0.4395

## Tritanomaly

34.6218, 0.5122, 0.3631

# Monochromacy



## Original Color

34.8789, 0.5457, 0.4027

## Achromatopsia

29.6138, 0.3127, 0.3290

## Achromatomaly

29.7674, 0.4120, 0.3876

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 34.8789, 0.5457, 0.4027 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(252, 123, 8)` looks like.

```
.text, #text, p{  
    color:rgb(252, 123, 8)  
}
```

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(252, 123, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 123, 8) }
```

## Border

The CSS property to change the border of an element to Yxy 34.8789, 0.5457, 0.4027 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(252, 123, 8) }
```

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

```
.border{ border-color:rgb(252, 123, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 123, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 123, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 123, 8);  
box-shadow:4px 4px 4px 4px rgb(252, 123,  
8) }
```



# Background

The CSS property to change the background color of an element to Yxy 34.8789, 0.5457, 0.4027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 123, 8) }
```

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

```
.background{ background-color: rgb(252,  
123, 8) }
```

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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