

# Converting Colors

Yxy(38.6652, 0.5322, 0.4115)

Have a look what the booklet for  
Yxy(38.6652, 0.5322, 0.4115)  
contains.

<b>Yxy(38.6224, 0.5325, 0.4114)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(38.6224, 0.5325, 0.4114)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF870F
RGB	255, 135, 15
RGB Percent	100%, 53%, 6%
CMY	0.0000, 0.4706, 0.9417
CMYK	0.00, 0.47, 0.94, 0.00
HSL	30°, 100%, 53%
HSV	30°, 94%, 100%
XYZ	49.9913, 38.6224, 5.2667
YIQ	157.2000, 110.0400, -11.8800

# Conversions

## Conversions Part 2

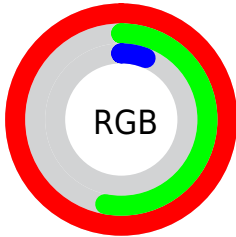
Format	Color
R <sub>Y</sub> B	255, 255, 15
Decimal	16746255
CIE Lab	68.48, 39.48, 72.78
CIE LCh	68, 82.797, 61.522
Yxy	38.6224, 0.5325, 0.4114
Android (android.graphics.Color)	4294936335 (0xFFFF870F)
YUV	157.2000, -70.1046, 85.7706
Hunter-Lab	62.1469, 34.8292, 38.4783

# Details

The Yxy color **38.6224, 0.5325, 0.4114** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark saturated orange. A complement of this color would be **24.6099, 0.1799, 0.1647**, and the grayscale version is **34.0904, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.2197, 0.4524, 0.4329**, and **17.2629, 0.5602, 0.3934** is the 20% darker color. If you saturate the color by 10%, you get **36.5879, 0.5435, 0.4066**, and if you desaturate by 10%, it is **42.5162, 0.5106, 0.4160**.

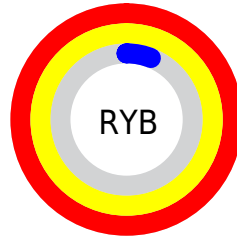
# Distribution



Red (100%)

Green (53%)

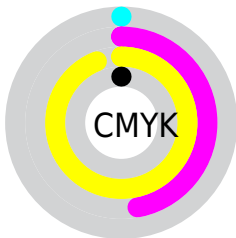
Blue (6%)



Red (100%)

Yellow (100%)

Blue (6%)

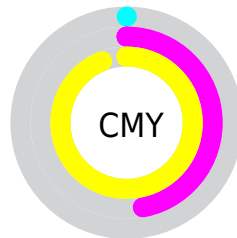


Cyan (0%)

Magenta (47%)

Yellow (94%)

Black (0%)



Cyan (0%)

Magenta (47%)


Yellow (94%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 38.6224, 0.5325, 0.4114 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 38.6224, 0.5325, 0.4114 by changing the saturation by 10% instead.





 38.6224, 0.5325,  
0.4114


 38.6224, 0.5325,  
0.4114

340.2824, 0.4291,  
0.3872


 26.4661, 0.5529,  
0.4108


 73.0611, 0.4985,  
0.4076

 17.1727, 0.5756,  
0.4065

 96.1123, 0.4845,  
0.4047


 10.3577, 0.6024,  
0.3976

 123.5640, 0.4723,  
0.4015

 5.6367, 0.6250,  
0.3750

 155.8004, 0.4615,  
0.3984

 2.6255, 0.6584,  
0.3416

 193.2061, 0.4519,  
0.3954

 0.9395, 0.7115,  
0.2885


 236.1654, 0.4434,


 0.0000, 1.0000,


0.3925


0.0000


 285.0627, 0.4359,  
0.3898

 0.0000, 0.0000,  
0.0000

 38.6224, 0.5325,  
0.4114


 38.6224, 0.5325,  
0.4114


 36.5879, 0.5435,  
0.4066

 42.5162, 0.5106,  
0.4160

 46.9634, 0.4850,  
0.4151

 51.9978, 0.4574,  
0.4092

 57.6482, 0.4297,  
0.3995

 63.9406, 0.4030,  
0.3875

70.8992, 0.3784,  
0.3742

78.5463, 0.3562,  
0.3605

86.9034, 0.3365,  
0.3470

95.9904, 0.3192,  
0.3341

# Harmonies

## Analogous

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



38.6224, 0.5399, 0.3339



38.6224, 0.5325, 0.4114



38.6224, 0.4618, 0.4948

# Triad

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



38.6224, 0.5325, 0.4114



38.6224, 0.1701, 0.3880



38.6224, 0.2259, 0.1697

# Complementary

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



38.6224, 0.5325, 0.4114



24.6099, 0.1799, 0.1647

# 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.



38.6224, 0.1569, 0.1621



38.6224, 0.5325, 0.4114



38.6224, 0.1285, 0.2581

# Square

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



38.6224, 0.5325, 0.4114



38.6224, 0.2551, 0.5239



38.6224, 0.1260, 0.1871



38.6224, 0.3366, 0.2050



# Rectangle

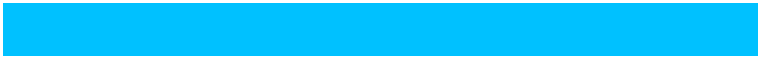
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.6224, 0.5325, 0.4114



38.6224, 0.3965, 0.5418



38.6224, 0.1260, 0.1871



38.6224, 0.1982, 0.1639

# Sweetspot

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



38.6233, 0.5325, 0.4114



75.5347, 0.3644, 0.3657



23.3453, 0.4864, 0.2481



15.4676, 0.3741, 0.3716



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.



38.6233, 0.5325, 0.4114



36.5879, 0.5435, 0.4066



92.8141, 0.4185, 0.5039



19.4886, 0.3282, 0.3409



19.4166, 0.5410, 0.4087



2.1089, 0.5234, 0.4226



# Inverse Universe

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



24.6099, 0.1799, 0.1647



22.5086, 0.1762, 0.1544



7.6583, 0.1519, 0.0632



18.8775, 0.2979, 0.3168



12.0598, 0.1770, 0.1573



1.3926, 0.1827, 0.1779



# Previews

## White Background



This preview shows how the Yxy color 38.6224, 0.5325, 0.4114 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 38.6224, 0.5325, 0.4114 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 38.6224, 0.5325, 0.4114**

## **Background**



This preview shows how black text looks on a background with the Yxy color 38.6224, 0.5325, 0.4114.



This preview shows how white text looks on a background with the Yxy color 38.6224, 0.5325, 0.4114.

# 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

38.6224, 0.5325, 0.4114

### Protanopia

38.8987, 0.4358, 0.4820

### Deuteranopia

38.7933, 0.4723, 0.4632



## Tritanopia

38.7667, 0.4441, 0.3212

# Trichromacy



## Original Color

38.6224, 0.5325, 0.4114

## Protanomaly

37.9810, 0.4729, 0.4551

## Deuteranomaly

38.3176, 0.4962, 0.4429

## Tritanomaly

38.2829, 0.4905, 0.3658

# Monochromacy



## Original Color

38.6224, 0.5325, 0.4114

## Achromatopsia

33.7164, 0.3127, 0.3290

## Achromatomaly

33.8523, 0.4048, 0.3883

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.6224, 0.5325, 0.4114 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, 135, 15)` looks like.

```
.text, #text, p{  
    color:rgb(255, 135, 15)  
}
```

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, 135, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 135, 15) }
```

## Border

The CSS property to change the border of an element to Yxy 38.6224, 0.5325, 0.4114 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, 135, 15) }
```

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

```
.border{ border-color:rgb(255, 135, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 135, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 135, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 135, 15);  
box-shadow:4px 4px 4px 4px rgb(255, 135,  
15) }
```



# Background

The CSS property to change the background color of an element to Yxy 38.6224, 0.5325, 0.4114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 135, 15) }
```

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

```
.background{ background-color: rgb(255,  
135, 15) }
```

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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