

# Converting Colors

Yxy(41.9396, 0.5163, 0.4209)

Have a look what the booklet for  
Yxy(41.9396, 0.5163, 0.4209)  
contains.

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# Color

**Yxy(42.0042, 0.5161, 0.4212)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FE9318
RGB	254, 147, 24
RGB Percent	100%, 58%, 9%
CMY	0.0040, 0.4235, 0.9063
CMYK	0.00, 0.42, 0.91, 0.00
HSL	32°, 99%, 54%
HSV	32°, 91%, 100%
XYZ	51.4681, 42.0042, 6.2528
YIQ	164.9710, 103.2550, -15.5690

# Conversions

## Conversions Part 2

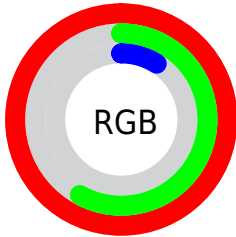
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	224, 254, 24
Decimal	16683800
CIE Lab	70.87, 33.08, 72.62
CIE LCh	71, 79.802, 65.508
Yxy	42.0042, 0.5161, 0.4212
Android (android.graphics.Color)	4294873880 (0xFFFE9318)
YUV	164.9710, -69.4987, 78.0784
Hunter-Lab	64.8106, 28.3337, 39.6473

# Details

The Yxy color **42.0042, 0.5161, 0.4212** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle washed orange. A complement of this color would be **23.5443, 0.1795, 0.1604**, and the grayscale version is **37.9111, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.1569, 0.4391, 0.4401**, and **19.1316, 0.5410, 0.4086** is the 20% darker color. If you saturate the color by 10%, you get **38.6513, 0.5331, 0.4149**, and if you desaturate by 10%, it is **46.0285, 0.4944, 0.4230**.

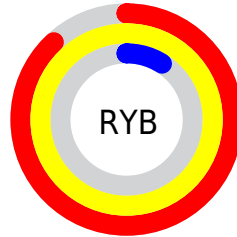
# Distribution



Red (100%)

Green (58%)

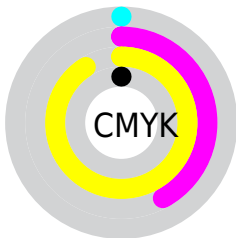
Blue (9%)



Red (88%)

Yellow (100%)

Blue (9%)

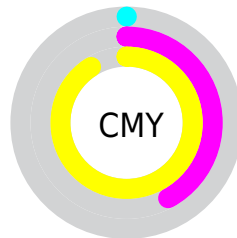


Cyan (0%)

Magenta (42%)

Yellow (91%)

Black (0%)



Cyan (0%)

Magenta (42%)


Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.0042, 0.5161, 0.4212 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 42.0042, 0.5161, 0.4212 by changing the saturation by 10% instead.




 42.0042, 0.5161,  
0.4212


 42.0042, 0.5161,  
0.4212


354.5003, 0.4216,  
0.3904

 29.1046, 0.5347,  
0.4228


 78.2060, 0.4851,  
0.4145


 19.1599, 0.5551,  
0.4216


 102.2769, 0.4724,  
0.4106


 11.7859, 0.5815,  
0.4185


 130.8405, 0.4612,  
0.4068

 6.5981, 0.5997,  
0.4003

 164.2809, 0.4513,  
0.4031

 3.2120, 0.6263,  
0.3737

 202.9828, 0.4425,  
0.3996

 1.2434, 0.6688,  
0.3312

 247.3303, 0.4347,

 0.0967, 0.9030,

0.3963

0.0970

297.7081, 0.4278,  
0.3933

■ 0.0000, 0.0000,  
0.0000

■ 42.0042, 0.5161,  
0.4212

■ 42.0042, 0.5161,  
0.4212

■ 38.6513, 0.5331,  
0.4149


■ 46.0285, 0.4944,  
0.4230

■ 50.5593, 0.4697,  
0.4194

■ 55.6268, 0.4435,  
0.4112

■ 61.2558, 0.4174,  
0.3998

■ 67.4689, 0.3924,  
0.3863

 74.2869, 0.3693,  
0.3719

 81.7293, 0.3485,  
0.3574

 89.8147, 0.3300,  
0.3432

 98.5604, 0.3136,  
0.3298

# Harmonies

## Analogous

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



42.0042, 0.5306, 0.3455



42.0042, 0.5161, 0.4212



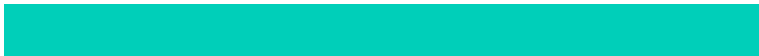
42.0042, 0.4453, 0.4985

# Triad

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



42.0042, 0.5161, 0.4212



42.0042, 0.1703, 0.3664



42.0042, 0.2427, 0.1799

# Complementary

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



42.0042, 0.5161, 0.4212



23.5443, 0.1795, 0.1604

# 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.



42.0042, 0.1708, 0.1691



42.0042, 0.5161, 0.4212



42.0042, 0.1348, 0.2512

# Square

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



42.0042, 0.5161, 0.4212



42.0042, 0.2473, 0.4968



42.0042, 0.1363, 0.1892



42.0042, 0.3517, 0.2174



# Rectangle

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



42.0042, 0.5161, 0.4212



42.0042, 0.3819, 0.5364



42.0042, 0.1363, 0.1892



42.0042, 0.2143, 0.1732

# Sweetspot

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



42.0064, 0.5161, 0.4212



77.5822, 0.3616, 0.3667



23.3637, 0.4906, 0.2530



16.0714, 0.3690, 0.3717



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.



42.0064, 0.5161, 0.4212



38.9950, 0.5331, 0.4149



90.5933, 0.4124, 0.5068



19.5969, 0.3281, 0.3417



20.6778, 0.5308, 0.4168



2.2321, 0.5146, 0.4296



# Inverse Universe

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



23.5443, 0.1795, 0.1604



20.3071, 0.1730, 0.1429



8.1039, 0.1550, 0.0668



18.7698, 0.2979, 0.3159



10.9030, 0.1739, 0.1459



1.2776, 0.1798, 0.1673



# Previews

## White Background



This preview shows how the Yxy color 42.0042, 0.5161, 0.4212 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 42.0042, 0.5161, 0.4212 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 42.0042, 0.5161, 0.4212**

## **Background**



This preview shows how black text looks on a background with the Yxy color 42.0042, 0.5161, 0.4212.



This preview shows how white text looks on a background with the Yxy color 42.0042, 0.5161, 0.4212.

# 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

42.0042, 0.5161, 0.4212

### Protanopia

42.1122, 0.4349, 0.4799

### Deuteranopia

42.1259, 0.4724, 0.4631



## Tritanopia

41.8634, 0.4266, 0.3200

# Trichromacy



**Original Color**

42.0042, 0.5161, 0.4212

**Protanomaly**

41.3913, 0.4657, 0.4577

**Deuteranomaly**

41.6292, 0.4894, 0.4473

**Tritanomaly**

41.5853, 0.4723, 0.3680

# Monochromacy



**Original Color**

42.0042, 0.5161, 0.4212

**Achromatopsia**

37.6262, 0.3127, 0.3290

**Achromatomaly**

37.5389, 0.3948, 0.3871

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.0042, 0.5161, 0.4212 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(254, 147, 24)` looks like.

```
.text, #text, p{  
    color:rgb(254, 147, 24)  
}
```

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(254, 147, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 147, 24) }
```

## Border

The CSS property to change the border of an element to Yxy 42.0042, 0.5161, 0.4212 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(254, 147, 24) }
```

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

```
.border{ border-color:rgb(254, 147, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 147, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 147, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 147, 24);  
box-shadow:4px 4px 4px 4px rgb(254, 147,  
24) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.0042, 0.5161, 0.4212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 147, 24) }
```

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

```
.background{ background-color: rgb(254,  
147, 24) }
```

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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