

# Converting Colors

$Y_{xy}(26.4700, 0.5997, 0.3620)$

Have a look what the booklet for  
Yxy(26.4700, 0.5997, 0.3620)  
contains.

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# Color

**Yxy(26.4289, 0.6000, 0.3618)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF4C00
RGB	255, 76, 0
RGB Percent	100%, 30%, 0%
CMY	0.0000, 0.7020, 1.0000
CMYK	0.00, 0.70, 1.00, 0.00
HSL	18°, 100%, 50%
HSV	18°, 100%, 100%
XYZ	43.8290, 26.4289, 2.7904
YIQ	120.8570, 131.0800, 14.3120

# Conversions

## Conversions Part 2

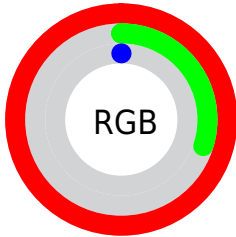
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 108, 0
Decimal	16731136
CIE Lab	58.44, 65.42, 69.38
CIE LCh	58, 95.359, 46.685
Yxy	26.4289, 0.6000, 0.3618
Android (android.graphics.Color)	4294921216 (0xFFFF4C00)
YUV	120.8570, -59.5825, 117.6434
Hunter-Lab	51.4090, 62.2152, 32.7681

# Details

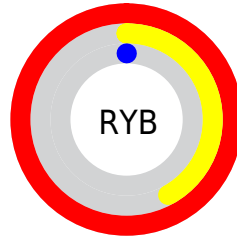
The Yxy color **26.4289, 0.6000, 0.3618** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **39.4643, 0.1963, 0.2267**, and the grayscale version is **19.2338, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.6804, 0.5119, 0.3906**, and **10.8188, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **26.4275, 0.6000, 0.3618**, and if you desaturate by 10%, it is **29.3183, 0.5753, 0.3714**.

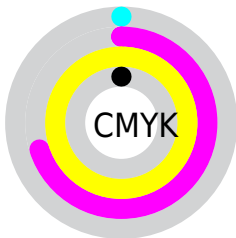
# Distribution



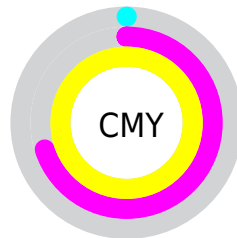
- Red (100%)
- Green (30%)
- Blue (0%)



- Red (100%)
- Yellow (42%)
- Blue (0%)



- Cyan (0%)
- Magenta (70%)
- Yellow (100%)
- Black (0%)




- Cyan (0%)
- Magenta (70%)
- Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.4289, 0.6000, 0.3618 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 26.4289, 0.6000, 0.3618 by changing the saturation by 10% instead.





 26.4289, 0.6000,  
0.3618


 26.4289, 0.6000,  
0.3618


284.8812, 0.4574,  
0.3693


 17.1448, 0.6289,  
0.3508


 53.9661, 0.5521,  
0.3715

 10.3378, 0.6653,  
0.3347


 72.9879, 0.5326,  
0.3730


 5.6235, 0.6965,  
0.3035

 96.0244, 0.5157,  
0.3734

 2.6175, 0.7397,  
0.2603

 123.4600, 0.5009,  
0.3732

 0.9355, 0.8019,  
0.1981

 155.6791, 0.4880,  
0.3725


 0.0000, 1.0000,  
0.0000


 193.0661, 0.4766,


 0.0000, 0.0000,

0.3715


0.0000


 236.0053, 0.4665,  
0.3705

 26.4289, 0.6000,  
0.3618


 26.4289, 0.6000,  
0.3618


 26.4275, 0.6000,  
0.3618

 29.3183, 0.5753,  
0.3714

 33.0414, 0.5432,  
0.3770

 37.6724, 0.5065,  
0.3778

 43.2719, 0.4689,  
0.3746

 49.8945, 0.4334,  
0.3687

■ 57.5904, 0.4013,  
0.3611

■ 66.4063, 0.3735,  
0.3529

■ 76.3860, 0.3497,  
0.3446

■ 87.5708, 0.3296,  
0.3365

# Harmonies

## Analogous

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



26.4289, 0.5684, 0.2821



26.4289, 0.6000, 0.3618



26.4289, 0.5317, 0.4586

# Triad

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



26.4289, 0.6000, 0.3618



26.4289, 0.1740, 0.5098



26.4289, 0.1583, 0.1303

# Complementary

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



26.4289, 0.6000, 0.3618



39.4643, 0.1963, 0.2267

# 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.



26.4289, 0.1047, 0.1363



26.4289, 0.6000, 0.3618



26.4289, 0.1057, 0.3037

# Square

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



26.4289, 0.6000, 0.3618



26.4289, 0.2885, 0.6305



26.4289, 0.0878, 0.1831



26.4289, 0.2648, 0.1549



# Rectangle

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



26.4289, 0.6000, 0.3618



26.4289, 0.4570, 0.5344



26.4289, 0.0878, 0.1831



26.4289, 0.1355, 0.1287

# Sweetspot

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



26.4275, 0.6000, 0.3618



66.4063, 0.3735, 0.3529



24.6685, 0.4105, 0.2035



13.3883, 0.3847, 0.3564



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.



26.4275, 0.6000, 0.3618



62.4528, 0.4646, 0.4693



18.8692, 0.3287, 0.3361



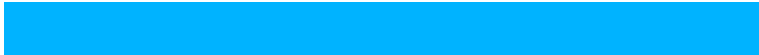
14.0343, 0.5971, 0.3641



1.5473, 0.5750, 0.3817

# Inverse Universe

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



39.4643, 0.1963, 0.2267



9.9762, 0.1555, 0.0799



19.5136, 0.2980, 0.3217



20.8941, 0.1968, 0.2286



2.2253, 0.2004, 0.2414

# Previews

## White Background



This preview shows how the Yxy color 26.4289, 0.6000, 0.3618 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 26.4289, 0.6000, 0.3618 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 26.4289, 0.6000, 0.3618**

## Background



This preview shows how black text looks on a background with the Yxy color 26.4289, 0.6000, 0.3618.



This preview shows how white text looks on a background with the Yxy color 26.4289, 0.6000, 0.3618.



# 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

26.4289, 0.6000, 0.3618

### Protanopia

26.5045, 0.4331, 0.4777

### Deuteranopia

26.5152, 0.4708, 0.4644



## Tritanopia

26.4027, 0.5560, 0.3275

# Trichromacy



**Original Color**

26.4289, 0.6000, 0.3618

**Protanomaly**

24.2356, 0.5066, 0.4275

**Deuteranomaly**

24.9321, 0.5275, 0.4194

**Tritanomaly**

26.2385, 0.5816, 0.3456

# Monochromacy



**Original Color**

26.4289, 0.6000, 0.3618

**Achromatopsia**

19.1202, 0.3127, 0.3290

**Achromatomaly**

19.1850, 0.4445, 0.3713

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.4289, 0.6000, 0.3618 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, 76, 0)` looks like.

```
.text, #text, p{  
  color:rgb(255, 76, 0)  
}
```

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, 76, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 76, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 26.4289, 0.6000, 0.3618 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, 76, 0) }
```

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

```
.border{ border-color:rgb(255, 76, 0) }
```

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

Here you see how a box with a 4 pixel rgb(255, 76, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 76, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 76, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 76, 0)  
}
```

# Background

The CSS property to change the background color of an element to Yxy 26.4289, 0.6000, 0.3618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 76, 0) }
```

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

```
.background{ background-color: rgb(255, 76,  
0) }
```

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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