

Converting Colors

$Y_{xy}(27.5373, 0.5925, 0.3677)$

Have a look what the booklet for
Yxy(27.5373, 0.5925, 0.3677)
contains.

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Color

Yxy(27.6006, 0.5922, 0.3680)

Conversions

Conversions Part 1

Format	Color
Hex	FF5400
RGB	255, 84, 0
RGB Percent	100%, 33%, 0%
CMY	0.0000, 0.6706, 1.0000
CMYK	0.00, 0.67, 1.00, 0.00
HSL	20°, 100%, 50%
HSV	20°, 100%, 100%
XYZ	44.4160, 27.6006, 2.9851
YIQ	125.5530, 128.8800, 10.1280

Conversions

Conversions Part 2

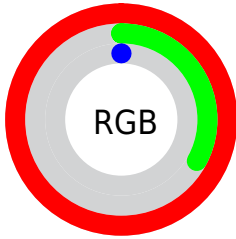
Format	Color
RYB	255, 125, 0
Decimal	16733184
CIELab	59.53, 62.46, 69.91
CIElCh	60, 93.749, 48.222
Yxy	27.6006, 0.5922, 0.3680
Android (android.graphics.Color)	4294923264 (0xFFFF5400)
YUV	125.5530, -61.8976, 113.5250
Hunter-Lab	52.5363, 58.9715, 33.4066

Details

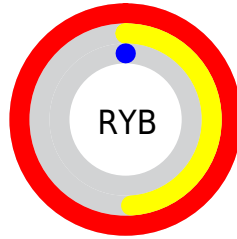
The Yxy color **27.6006, 0.5922, 0.3680** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated red. A complement of this color would be **36.3512, 0.1931, 0.2153**, and the grayscale version is **20.8821, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7031, 0.5037, 0.3962**, and **11.0582, 0.6360, 0.3332** is the 20% darker color. If you saturate the color by 10%, you get **27.5984, 0.5922, 0.3680**, and if you desaturate by 10%, it is **30.6567, 0.5677, 0.3777**.

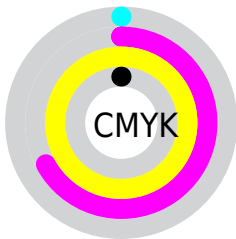
Distribution



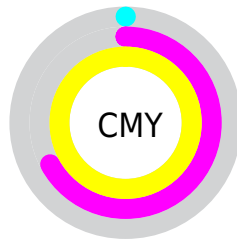
- Red (100%)
- Green (33%)
- Blue (0%)



- Red (100%)
- Yellow (49%)
- Blue (0%)



- Cyan (0%)
- Magenta (67%)
- Yellow (100%)
- Black (0%)



- Cyan (0%)
- Magenta (67%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.6006, 0.5922, 0.3680 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 27.6006, 0.5922, 0.3680 by changing the saturation by 10% instead.


 27.6006, 0.5922,
0.3680


 27.6006, 0.5922,
0.3680


290.5535, 0.4543,
0.3716

 18.0248, 0.6201,
0.3583


 55.8461, 0.5459,
0.3760

 10.9678, 0.6559,
0.3441


 75.2847, 0.5272,
0.3770


 6.0452, 0.6853,
0.3147


 98.7796, 0.5108,
0.3770

 2.8726, 0.7262,
0.2738

 126.7153, 0.4965,
0.3764

 1.0656, 0.7855,
0.2145

 159.4761, 0.4839,
0.3754


 0.0000, 1.0000,
0.0000


 197.4465, 0.4729,

 0.0000, 0.0000,


0.3742

0.0000

 241.0108, 0.4630,
0.3729


 27.6006, 0.5922,
0.3680


 27.6006, 0.5922,
0.3680


 27.5984, 0.5922,
0.3680

 30.6567, 0.5677,
0.3777

 34.5003, 0.5366,
0.3830

 39.1978, 0.5013,
0.3833

 44.8031, 0.4653,
0.3795

 51.3650, 0.4310,
0.3728

■ 58.9286, 0.4000,
0.3644

■ 67.5357, 0.3727,
0.3553

■ 77.2255, 0.3494,
0.3462

■ 88.0351, 0.3295,
0.3373

Harmonies

Analogous

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



27.6006, 0.5658, 0.2882



27.6006, 0.5922, 0.3680



27.6006, 0.5233, 0.4639

Triad

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



27.6006, 0.5922, 0.3680



27.6006, 0.1736, 0.4931



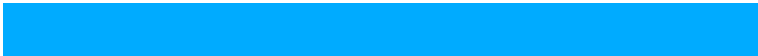
27.6006, 0.1657, 0.1346

Complementary

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



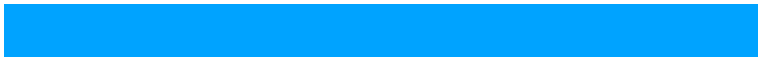
27.6006, 0.5922, 0.3680



36.3512, 0.1931, 0.2153

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.



27.6006, 0.1103, 0.1391



27.6006, 0.5922, 0.3680



27.6006, 0.1082, 0.2970

Square

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



27.6006, 0.5922, 0.3680



27.6006, 0.2852, 0.6197



27.6006, 0.0920, 0.1833



27.6006, 0.2734, 0.1605

Rectangle

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



27.6006, 0.5922, 0.3680



27.6006, 0.4498, 0.5368



27.6006, 0.0920, 0.1833



27.6006, 0.1423, 0.1326

Sweetspot

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



27.5984, 0.5922, 0.3680



67.5357, 0.3727, 0.3553



24.3258, 0.4233, 0.2106



13.6509, 0.3837, 0.3592



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.



27.5984, 0.5922, 0.3680



66.4938, 0.4567, 0.4756



18.9642, 0.3286, 0.3369



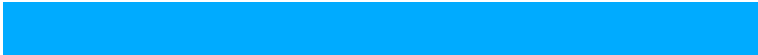
14.6626, 0.5892, 0.3704



1.6178, 0.5672, 0.3878

Inverse Universe

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



36.3512, 0.1931, 0.2153



9.2331, 0.1541, 0.0747



19.4139, 0.2980, 0.3210



19.2791, 0.1937, 0.2173



2.0772, 0.1977, 0.2315

Previews

White Background



This preview shows how the Yxy color 27.6006, 0.5922, 0.3680 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 27.6006, 0.5922, 0.3680 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 27.6006, 0.5922, 0.3680

Background



This preview shows how black text looks on a background with the Yxy color 27.6006, 0.5922, 0.3680.



This preview shows how white text looks on a background with the Yxy color 27.6006, 0.5922, 0.3680.

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

27.6006, 0.5922, 0.3680

Protanopia

27.7070, 0.4334, 0.4790

Deuteranopia

27.4321, 0.4713, 0.4640



Tritanopia

27.6374, 0.5399, 0.3265

Trichromacy



Original Color

27.6006, 0.5922, 0.3680

Protanomaly

25.6953, 0.5018, 0.4323

Deuteranomaly

26.1325, 0.5235, 0.4226

Tritanomaly

27.4019, 0.5709, 0.3490

Monochromacy



Original Color

27.6006, 0.5922, 0.3680

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.8323, 0.4388, 0.3752

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6006, 0.5922, 0.3680 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, 84, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 84, 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, 84, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 84, 0) }
```

Border

The CSS property to change the border of an element to Yxy 27.6006, 0.5922, 0.3680 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, 84, 0) }
```

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

```
.border{ border-color:rgb(255, 84, 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, 84, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 84, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 84, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 84, 0)  
}
```

Background

The CSS property to change the background color of an element to Yxy 27.6006, 0.5922, 0.3680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 84, 0) }
```

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

```
.background{ background-color: rgb(255, 84,  
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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