

Converting Colors

$Yxy(27.6226, 0.5901, 0.3697)$

Have a look what the booklet for
Yxy(27.6226, 0.5901, 0.3697)
contains.

Yxy(27.7264, 0.5897, 0.3699)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.7264, 0.5897, 0.3699)

Conversions

Conversions Part 1

Format	Color
Hex	FE5600
RGB	254, 86, 0
RGB Percent	100%, 34%, 0%
CMY	0.0039, 0.6627, 0.9991
CMYK	0.00, 0.66, 1.00, 0.00
HSL	20°, 100%, 50%
HSV	20°, 100%, 100%
XYZ	44.2018, 27.7264, 3.0282
YIQ	126.4280, 127.7340, 8.8700

Conversions

Conversions Part 2

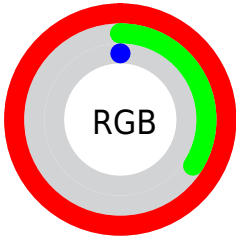
Format	Color
R_{YB}	254, 130, 0
Decimal	16668160
CIE Lab	59.64, 61.34, 69.82
CIE LCh	60, 92.939, 48.698
Yxy	27.7264, 0.5897, 0.3699
Android (android.graphics.Color)	4294858240 (0xFFFE5600)
YUV	126.4280, -62.3290, 111.8806
Hunter-Lab	52.6559, 57.6936, 33.4493

Details

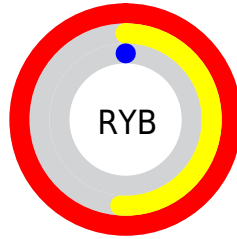
The Yxy color **27.7264, 0.5897, 0.3699** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated red. A complement of this color would be **35.2408, 0.1923, 0.2122**, and the grayscale version is **21.2118, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.2983, 0.5018, 0.3981**, and **11.0923, 0.6332, 0.3354** is the 20% darker color. If you saturate the color by 10%, you get **27.7042, 0.5899, 0.3698**, and if you desaturate by 10%, it is **30.8087, 0.5653, 0.3795**.

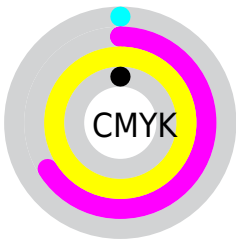
Distribution



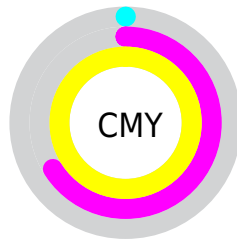
- Red (100%)
- Green (34%)
- Blue (0%)



- Red (100%)
- Yellow (51%)
- Blue (0%)



- Cyan (0%)
- Magenta (66%)
- Yellow (100%)
- Black (0%)




- Cyan (0%)
- Magenta (66%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7264, 0.5897, 0.3699 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 27.7264, 0.5897, 0.3699 by changing the saturation by 10% instead.


 27.7264, 0.5897,
0.3699


 27.7264, 0.5897,
0.3699


291.1572, 0.4530,
0.3722


 18.1195, 0.6174,
0.3605

 56.0473, 0.5438,
0.3774


 11.0358, 0.6530,
0.3470


 75.5302, 0.5252,
0.3782


 6.0909, 0.6821,
0.3179


 99.0738, 0.5090,
0.3781

 2.9005, 0.7225,
0.2775

 127.0626, 0.4948,
0.3773

 1.0800, 0.7814,
0.2186

 159.8809, 0.4824,
0.3762

 0.0000, 1.0000,
0.0000

 197.9132, 0.4714,


 0.0000, 0.0000,

0.3750

0.0000


 241.5438, 0.4617,
0.3736


 27.7264, 0.5897,
0.3699


 27.7264, 0.5897,
0.3699


 27.7042, 0.5899,
0.3698

 30.8087, 0.5653,
0.3795

 34.6553, 0.5344,
0.3847

 39.3335, 0.4996,
0.3848

 44.8951, 0.4639,
0.3808

 51.3870, 0.4300,
0.3739

■ 58.8523, 0.3993,
0.3652

■ 67.3312, 0.3723,
0.3559

■ 76.8613, 0.3491,
0.3465

■ 87.4785, 0.3293,
0.3375

Harmonies

Analogous

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



27.7264, 0.5648, 0.2901



27.7264, 0.5897, 0.3699



27.7264, 0.5208, 0.4655

Triad

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



27.7264, 0.5897, 0.3699



27.7264, 0.1735, 0.4881



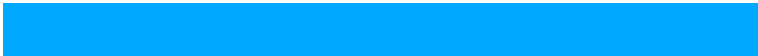
27.7264, 0.1680, 0.1360

Complementary

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



27.7264, 0.5897, 0.3699



35.2408, 0.1923, 0.2122

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.



27.7264, 0.1121, 0.1401



27.7264, 0.5897, 0.3699



27.7264, 0.1091, 0.2951

Square

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



27.7264, 0.5897, 0.3699



27.7264, 0.2842, 0.6161



27.7264, 0.0933, 0.1835



27.7264, 0.2761, 0.1623

Rectangle

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



27.7264, 0.5897, 0.3699



27.7264, 0.4476, 0.5375



27.7264, 0.0933, 0.1835



27.7264, 0.1444, 0.1339

Sweetspot

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



27.7280, 0.5897, 0.3699



67.8516, 0.3725, 0.3560



23.9554, 0.4298, 0.2142



13.7245, 0.3835, 0.3600



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.



27.7280, 0.5897, 0.3699



27.9476, 0.5899, 0.3698



68.0097, 0.4528, 0.4786



18.9905, 0.3286, 0.3371



14.8493, 0.5869, 0.3722



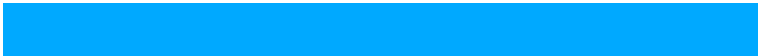
1.6384, 0.5650, 0.3895

Inverse Universe

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



35.2408, 0.1923, 0.2122



35.5215, 0.1923, 0.2121



8.8500, 0.1535, 0.0725



19.3864, 0.2980, 0.3208



18.8482, 0.1928, 0.2142



2.0375, 0.1969, 0.2288

Previews

White Background



This preview shows how the Yxy color 27.7264, 0.5897, 0.3699 looks on a white background.

Color Contrast Check

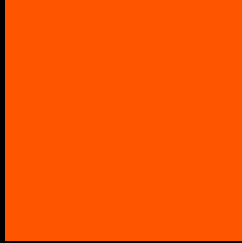
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7264, 0.5897, 0.3699 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 27.7264, 0.5897, 0.3699

Background



This preview shows how black text looks on a background with the Yxy color 27.7264, 0.5897, 0.3699.



This preview shows how white text looks on a background with the Yxy color 27.7264, 0.5897, 0.3699.

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

27.7264, 0.5897, 0.3699

Protanopia

27.7070, 0.4334, 0.4790

Deuteranopia

27.8364, 0.4709, 0.4643



Tritanopia

27.8007, 0.5380, 0.3264

Trichromacy



Original Color

27.7264, 0.5897, 0.3699

Protanomaly

25.8085, 0.4994, 0.4342

Deuteranomaly

26.3668, 0.5221, 0.4237

Tritanomaly

27.7129, 0.5683, 0.3500

Monochromacy



Original Color

27.7264, 0.5897, 0.3699

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 27.7264, 0.5897, 0.3699 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, 86, 0)` looks like.

```
.text, #text, p{  
    color:rgb(254, 86, 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(254, 86, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 86, 0) }
```

Border

The CSS property to change the border of an element to Yxy 27.7264, 0.5897, 0.3699 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, 86, 0) }
```

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

```
.border{ border-color:rgb(254, 86, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 86, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 86, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 86, 0);  
box-shadow:4px 4px 4px 4px rgb(254, 86, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 27.7264, 0.5897, 0.3699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 86, 0) }
```

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

```
.background{ background-color: rgb(254, 86,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor