

Converting Colors

$Y_{xy}(27.7345, 0.5913, 0.3687)$

Have a look what the booklet for
Yxy(27.7345, 0.5913, 0.3687)
contains.

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Color

Yxy(27.7570, 0.5911, 0.3688)

Conversions

Conversions Part 1

Format	Color
Hex	FF5500
RGB	255, 85, 0
RGB Percent	100%, 33%, 0%
CMY	0.0000, 0.6666, 0.9993
CMYK	0.00, 0.67, 1.00, 0.00
HSL	20°, 100%, 50%
HSV	20°, 100%, 100%
XYZ	44.4880, 27.7570, 3.0180
YIQ	126.1400, 128.6050, 9.6050

Conversions

Conversions Part 2

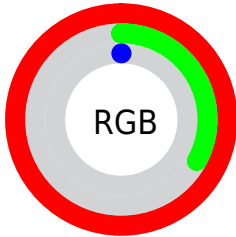
Format	Color
R_{YB}	255, 128, 0
Decimal	16733440
CIE _{Lab}	59.67, 62.06, 69.94
CIE _{LCh}	60, 93.499, 48.416
Yxy	27.7570, 0.5911, 0.3688
Android (android.graphics.Color)	4294923520 (0xFFFF5500)
YUV	126.1400, -62.1870, 113.0102
Hunter-Lab	52.6849, 58.5296, 33.4830

Details

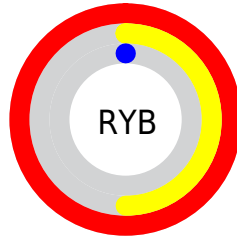
The Yxy color **27.7570, 0.5911, 0.3688** is a dark color, and the websafe version is hex **FF6600**, and the color name is **mystic red**. The color can be described as dark saturated red. A complement of this color would be **36.0321, 0.1928, 0.2140**, and the grayscale version is **21.1068, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.9993, 0.5027, 0.3972**, and **11.1329, 0.6347, 0.3342** is the 20% darker color. If you saturate the color by 10%, you get **27.7388, 0.5913, 0.3687**, and if you desaturate by 10%, it is **30.8398, 0.5666, 0.3784**.

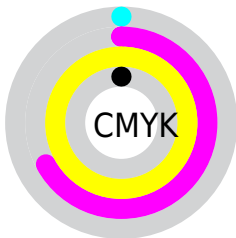
Distribution



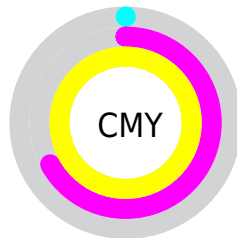
- Red (100%)
- Green (33%)
- Blue (0%)



- Red (100%)
- Yellow (50%)
- 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 27.7570, 0.5911, 0.3688 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 27.7570, 0.5911, 0.3688 by changing the saturation by 10% instead.


 27.7570, 0.5911,
0.3688


 27.7570, 0.5911,
0.3688


291.3039, 0.4538,
0.3718


 18.1426, 0.6189,
0.3593


 56.0962, 0.5451,
0.3766


 11.0524, 0.6546,
0.3454


 75.5898, 0.5264,
0.3775


 6.1021, 0.6838,
0.3162

 99.1453, 0.5101,
0.3774

 2.9073, 0.7244,
0.2756

 127.1470, 0.4958,
0.3768

 1.0835, 0.7833,
0.2167

 159.9793, 0.4833,
0.3757

 0.0000, 1.0000,
0.0000


 198.0266, 0.4723,

 0.0000, 0.0000,


0.3745


0.0000


 241.6734, 0.4625,
0.3732


 27.7570, 0.5911,
0.3688


 27.7570, 0.5911,
0.3688

 27.7388, 0.5913,
0.3687

 30.8398, 0.5666,
0.3784

 34.7016, 0.5356,
0.3837

 39.4115, 0.5005,
0.3839

 45.0227, 0.4646,
0.3800

 51.5834, 0.4305,
0.3732

■ 59.1380, 0.3996,
0.3647

■ 67.7278, 0.3725,
0.3555

■ 77.3915, 0.3492,
0.3463

■ 88.1659, 0.3294,
0.3373

Harmonies

Analogous

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



27.7570, 0.5653, 0.2890



27.7570, 0.5911, 0.3688



27.7570, 0.5223, 0.4645

Triad

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



27.7570, 0.5911, 0.3688



27.7570, 0.1736, 0.4910



27.7570, 0.1667, 0.1352

Complementary

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



27.7570, 0.5911, 0.3688



36.0321, 0.1928, 0.2140

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.



27.7570, 0.1110, 0.1396



27.7570, 0.5911, 0.3688



27.7570, 0.1087, 0.2963

Square

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



27.7570, 0.5911, 0.3688



27.7570, 0.2848, 0.6181



27.7570, 0.0926, 0.1835



27.7570, 0.2745, 0.1613

Rectangle

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



27.7570, 0.5911, 0.3688



27.7570, 0.4489, 0.5371



27.7570, 0.0926, 0.1835



27.7570, 0.1432, 0.1332

Sweetspot

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



27.7586, 0.5911, 0.3688



67.6650, 0.3727, 0.3556



24.3308, 0.4232, 0.2105



13.6810, 0.3836, 0.3595



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.



27.7586, 0.5911, 0.3688



27.7402, 0.5913, 0.3687



66.5074, 0.4567, 0.4756



18.9750, 0.3286, 0.3370



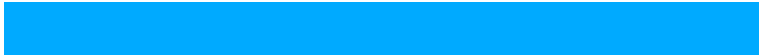
14.7385, 0.5883, 0.3711



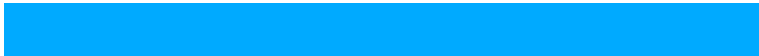
1.6262, 0.5663, 0.3885

Inverse Universe

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



36.0321, 0.1928, 0.2140



36.0096, 0.1928, 0.2140



9.2459, 0.1541, 0.0747



19.4026, 0.2980, 0.3209



19.1017, 0.1934, 0.2160



2.0609, 0.1973, 0.2304

Previews

White Background



This preview shows how the Yxy color 27.7570, 0.5911, 0.3688 looks on a white background.

Color Contrast Check

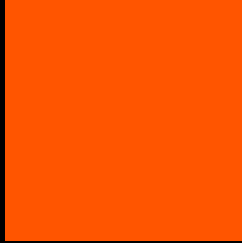
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7570, 0.5911, 0.3688 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 27.7570, 0.5911, 0.3688

Background



This preview shows how black text looks on a background with the Yxy color 27.7570, 0.5911, 0.3688.



This preview shows how white text looks on a background with the Yxy color 27.7570, 0.5911, 0.3688.

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

27.7570, 0.5911, 0.3688

Protanopia

27.7070, 0.4334, 0.4790

Deuteranopia

27.8364, 0.4709, 0.4643



Tritanopia

27.8007, 0.5380, 0.3264

Trichromacy



Original Color

27.7570, 0.5911, 0.3688

Protanomaly

25.9422, 0.5004, 0.4334

Deuteranomaly

26.5122, 0.5229, 0.4230

Tritanomaly

27.5609, 0.5692, 0.3492

Monochromacy



Original Color

27.7570, 0.5911, 0.3688

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 27.7570, 0.5911, 0.3688 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, 85, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 85, 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, 85, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 85, 0) }
```

Border

The CSS property to change the border of an element to Yxy 27.7570, 0.5911, 0.3688 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, 85, 0) }
```

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

```
.border{ border-color:rgb(255, 85, 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, 85, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 85, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 85, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 85, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 27.7570, 0.5911, 0.3688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 85, 0) }
```

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

```
.background{ background-color: rgb(255, 85,  
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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