

Converting Colors

$Y_{xy}(28.0762, 0.5881, 0.3696)$

Have a look what the booklet for
Yxy(28.0762, 0.5881, 0.3696)
contains.

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Color

Yxy(28.0873, 0.5880, 0.3697)

Conversions

Conversions Part 1

Format	Color
Hex	FF5705
RGB	255, 87, 5
RGB Percent	100%, 34%, 2%
CMY	0.0001, 0.6587, 0.9799
CMYK	0.00, 0.66, 0.98, 0.00
HSL	20°, 100%, 51%
HSV	20°, 98%, 100%
XYZ	44.6723, 28.0873, 3.2137
YIQ	127.8840, 126.4500, 10.1140

Conversions

Conversions Part 2

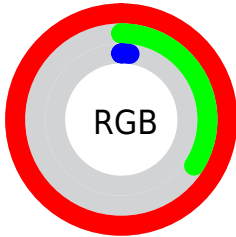
Format	Color
RYB	255, 127, 5
Decimal	16733957
CIELab	59.97, 61.30, 69.17
CIELCh	60, 92.427, 48.451
Yxy	28.0873, 0.5880, 0.3697
Android (android.graphics.Color)	4294924037 (0xFFFF5705)
YUV	127.8840, -60.5818, 111.4807
Hunter-Lab	52.9975, 57.7145, 33.5030

Details

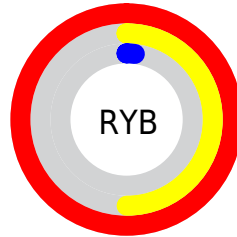
The Yxy color **28.0873, 0.5880, 0.3697** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated red. A complement of this color would be **37.1681, 0.1942, 0.2183**, and the grayscale version is **21.7335, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.6239, 0.4994, 0.3978**, and **11.2846, 0.6322, 0.3362** is the 20% darker color. If you saturate the color by 10%, you get **27.5339, 0.5926, 0.3677**, and if you desaturate by 10%, it is **31.2881, 0.5623, 0.3788**.

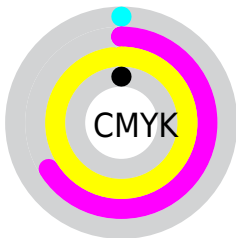
Distribution



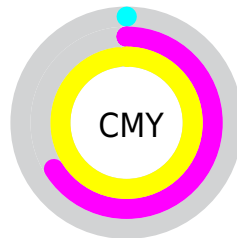
- Red (100%)
- Green (34%)
- Blue (2%)



- Red (100%)
- Yellow (50%)
- Blue (2%)



- Cyan (0%)
- Magenta (66%)
- Yellow (98%)
- Black (0%)





- Cyan (0%)
- Magenta (66%)
- Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.0873, 0.5880, 0.3697 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 28.0873, 0.5880, 0.3697 by changing the saturation by 10% instead.


 28.0873, 0.5880,
0.3697


 28.0873, 0.5880,
0.3697


292.8838, 0.4520,
0.3716


 18.3915, 0.6157,
0.3606


 56.6238, 0.5422,
0.3769

 11.2314, 0.6521,
0.3479


 76.2332, 0.5237,
0.3776

 6.2227, 0.6809,
0.3191


 99.9160, 0.5076,
0.3774

 2.9810, 0.7209,
0.2791

 128.0566, 0.4935,
0.3767

 1.1218, 0.7789,
0.2211

 161.0392, 0.4811,
0.3756

 0.0000, 1.0000,
0.0000

 199.2484, 0.4703,

 0.0000, 0.0000,


0.3743

0.0000

 243.0684, 0.4606,
0.3730


 28.0873, 0.5880,
0.3697


 28.0873, 0.5880,
0.3697


 27.5339, 0.5926,
0.3677

 31.2881, 0.5623,
0.3788

 35.2929, 0.5301,
0.3831

 40.1655, 0.4943,
0.3826

 45.9590, 0.4584,
0.3781

 52.7216, 0.4246,
0.3710

60.4978, 0.3942,
0.3625

69.3292, 0.3678,
0.3534

79.2547, 0.3451,
0.3443

90.3114, 0.3259,
0.3356

Harmonies

Analogous

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



28.0873, 0.5619, 0.2901



28.0873, 0.5880, 0.3697



28.0873, 0.5207, 0.4645

Triad

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



28.0873, 0.5880, 0.3697



28.0873, 0.1756, 0.4880



28.0873, 0.1684, 0.1371

Complementary

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



28.0873, 0.5880, 0.3697



37.1681, 0.1942, 0.2183

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.



28.0873, 0.1130, 0.1415



28.0873, 0.5880, 0.3697



28.0873, 0.1108, 0.2970

Square

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



28.0873, 0.5880, 0.3697



28.0873, 0.2861, 0.6134



28.0873, 0.0946, 0.1853



28.0873, 0.2754, 0.1630

Rectangle

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



28.0873, 0.5880, 0.3697



28.0873, 0.4484, 0.5357



28.0873, 0.0946, 0.1853



28.0873, 0.1450, 0.1351

Sweetspot

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



28.0890, 0.5880, 0.3697



68.4005, 0.3703, 0.3543



24.4973, 0.4207, 0.2098



13.8159, 0.3812, 0.3582



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.



28.0890, 0.5880, 0.3697



27.5375, 0.5926, 0.3677



66.9556, 0.4554, 0.4757



18.9595, 0.3286, 0.3369



14.6300, 0.5896, 0.3701



1.6142, 0.5676, 0.3875

Inverse Universe

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



37.1681, 0.1942, 0.2183



36.5003, 0.1933, 0.2158



9.6132, 0.1552, 0.0773



19.4188, 0.2980, 0.3210



19.3564, 0.1939, 0.2179



2.0843, 0.1978, 0.2320

Previews

White Background



This preview shows how the Yxy color 28.0873, 0.5880, 0.3697 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 28.0873, 0.5880, 0.3697 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 28.0873, 0.5880, 0.3697

Background



This preview shows how black text looks on a background with the Yxy color 28.0873, 0.5880, 0.3697.



This preview shows how white text looks on a background with the Yxy color 28.0873, 0.5880, 0.3697.

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

28.0873, 0.5880, 0.3697

Protanopia

28.1165, 0.4334, 0.4792

Deuteranopia

28.2442, 0.4706, 0.4645



Tritanopia

28.1346, 0.5342, 0.3264

Trichromacy



Original Color

28.0873, 0.5880, 0.3697

Protanomaly

26.1981, 0.4984, 0.4339

Deuteranomaly

26.7533, 0.5211, 0.4237

Tritanomaly

27.8961, 0.5649, 0.3490

Monochromacy



Original Color

28.0873, 0.5880, 0.3697

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.4335, 0.4345, 0.3736

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0873, 0.5880, 0.3697 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, 87, 5)` looks like.

```
.text, #text, p{  
    color:rgb(255, 87, 5)  
}
```

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, 87, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 87, 5) }
```

Border

The CSS property to change the border of an element to Yxy 28.0873, 0.5880, 0.3697 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, 87, 5) }
```

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

```
.border{ border-color:rgb(255, 87, 5) }
```

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

Here you see how a box with a 4 pixel rgb(255, 87, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 87, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 87, 5);  
box-shadow:4px 4px 4px 4px rgb(255, 87, 5)  
}
```


Background

The CSS property to change the background color of an element to Yxy 28.0873, 0.5880, 0.3697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 87, 5) }
```

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

```
.background{ background-color: rgb(255, 87,  
5) }
```

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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