

Converting Colors

$Y_{xy}(28.8583, 0.5840, 0.3743)$

Have a look what the booklet for
Yxy(28.8583, 0.5840, 0.3743)
contains.

Yxy(28.9165, 0.5837, 0.3745)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.9165, 0.5837, 0.3745)

Conversions

Conversions Part 1

Format	Color
Hex	FF5C01
RGB	255, 92, 1
RGB Percent	100%, 36%, 0%
CMY	0.0000, 0.6391, 0.9970
CMYK	0.00, 0.64, 1.00, 0.00
HSL	22°, 100%, 50%
HSV	22°, 100%, 100%
XYZ	45.0696, 28.9165, 3.2275
YIQ	130.3630, 126.3590, 6.2550

Conversions

Conversions Part 2

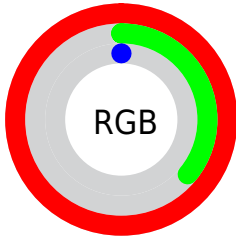
Format	Color
R_{YB}	255, 143, 1
Decimal	16735233
CIE _{Lab}	60.71, 59.26, 70.36
CIE _{LCh}	61, 91.990, 49.893
Yxy	28.9165, 0.5837, 0.3745
Android (android.graphics.Color)	4294925313 (0xFFFF5C01)
YUV	130.3630, -63.7760, 109.3066
Hunter-Lab	53.7741, 55.5014, 34.0832

Details

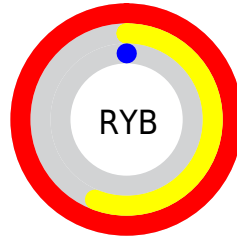
The Yxy color **28.9165, 0.5837, 0.3745** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated red. A complement of this color would be **33.6769, 0.1903, 0.2048**, and the grayscale version is **22.6491, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.8451, 0.4963, 0.4024**, and **11.7474, 0.6247, 0.3421** is the 20% darker color. If you saturate the color by 10%, you get **28.8330, 0.5844, 0.3742**, and if you desaturate by 10%, it is **32.1369, 0.5595, 0.3840**.

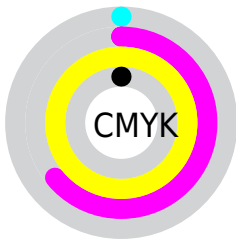
Distribution



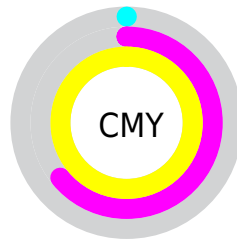
- Red (100%)
- Green (36%)
- Blue (0%)



- Red (100%)
- Yellow (56%)
- Blue (0%)



- Cyan (0%)
- Magenta (64%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (64%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.9165, 0.5837, 0.3745 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 28.9165, 0.5837, 0.3745 by changing the saturation by 10% instead.


 28.9165, 0.5837,
0.3745


 28.9165, 0.5837,
0.3745


296.8208, 0.4508,
0.3739

 19.0177, 0.6105,
0.3661


 57.9444, 0.5392,
0.3807

 11.6830, 0.6458,
0.3542


 77.8422, 0.5211,
0.3811

 6.5282, 0.6733,
0.3267


 101.8419, 0.5053,
0.3807

 3.1689, 0.7117,
0.2883

 130.3277, 0.4915,
0.3797

 1.2205, 0.7676,
0.2324

 163.6841, 0.4794,
0.3784

 0.0784, 0.9564,
0.0436

 202.2955, 0.4687,


 0.0000, 1.0000,


0.3769


0.0000


 246.5463, 0.4592,
0.3754

 0.0000, 0.0000,
0.0000

 28.9165, 0.5837,
0.3745


 28.9165, 0.5837,
0.3745


 28.8330, 0.5844,
0.3742

 32.1369, 0.5595,
0.3840

 36.0987, 0.5294,
0.3888

 40.8647, 0.4955,
0.3885

 46.4834, 0.4608,
0.3839

 52.9987, 0.4278,
0.3764

60.4510, 0.3978,
0.3672

68.8778, 0.3713,
0.3573

78.3146, 0.3484,
0.3474

88.7949, 0.3289,
0.3378

Harmonies

Analogous

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



28.9165, 0.5625, 0.2947



28.9165, 0.5837, 0.3745



28.9165, 0.5147, 0.4693

Triad

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



28.9165, 0.5837, 0.3745



28.9165, 0.1732, 0.4760



28.9165, 0.1738, 0.1394

Complementary

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



28.9165, 0.5837, 0.3745



33.6769, 0.1903, 0.2048

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.



28.9165, 0.1164, 0.1424



28.9165, 0.5837, 0.3745



28.9165, 0.1112, 0.2905

Square

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



28.9165, 0.5837, 0.3745



28.9165, 0.2816, 0.6073



28.9165, 0.0966, 0.1838



28.9165, 0.2825, 0.1666

Rectangle

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



28.9165, 0.5837, 0.3745



28.9165, 0.4425, 0.5392



28.9165, 0.0966, 0.1838



28.9165, 0.1497, 0.1369

Sweetspot

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



28.9182, 0.5837, 0.3745



68.6189, 0.3721, 0.3576



24.0284, 0.4362, 0.2178



13.9035, 0.3828, 0.3618



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.



28.9182, 0.5837, 0.3745



28.8350, 0.5844, 0.3742



70.8118, 0.4490, 0.4816



19.0542, 0.3285, 0.3376



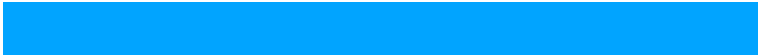
15.3228, 0.5814, 0.3766



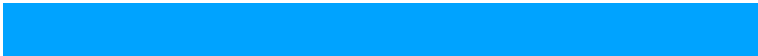
1.6899, 0.5597, 0.3938

Inverse Universe

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



33.6769, 0.1903, 0.2048



33.5777, 0.1901, 0.2044



8.6682, 0.1530, 0.0706



19.3201, 0.2980, 0.3203



17.8381, 0.1908, 0.2067



1.9439, 0.1951, 0.2222

Previews

White Background



This preview shows how the Yxy color 28.9165, 0.5837, 0.3745 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 28.9165, 0.5837, 0.3745 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 28.9165, 0.5837, 0.3745

Background



This preview shows how black text looks on a background with the Yxy color 28.9165, 0.5837, 0.3745.



This preview shows how white text looks on a background with the Yxy color 28.9165, 0.5837, 0.3745.

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

28.9165, 0.5837, 0.3745

Protanopia

28.9414, 0.4337, 0.4802

Deuteranopia

28.7795, 0.4714, 0.4639



Tritanopia

29.0122, 0.5246, 0.3262

Trichromacy



Original Color

28.9165, 0.5837, 0.3745

Protanomaly

27.2250, 0.4968, 0.4366

Deuteranomaly

27.6207, 0.5182, 0.4268

Tritanomaly

28.7205, 0.5588, 0.3520

Monochromacy



Original Color

28.9165, 0.5837, 0.3745

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.2293, 0.4331, 0.3778

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.9165, 0.5837, 0.3745 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, 92, 1)` looks like.

```
.text, #text, p{  
    color:rgb(255, 92, 1)  
}
```

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, 92, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 92, 1) }
```

Border

The CSS property to change the border of an element to Yxy 28.9165, 0.5837, 0.3745 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, 92, 1) }
```

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

```
.border{ border-color:rgb(255, 92, 1) }
```

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

Here you see how a box with a 4 pixel rgb(255, 92, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 92, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 92, 1);  
box-shadow:4px 4px 4px 4px rgb(255, 92, 1)  
}
```


Background

The CSS property to change the background color of an element to Yxy 28.9165, 0.5837, 0.3745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 92, 1) }
```

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

```
.background{ background-color: rgb(255, 92,  
1) }
```

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