

Converting Colors

$Y_{xy}(28.1233, 0.5825, 0.3677)$

Have a look what the booklet for
Yxy(28.1233, 0.5825, 0.3677)
contains.

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Color

Yxy(28.1044, 0.5825, 0.3679)

Conversions

Conversions Part 1

Format	Color
Hex	FE5815
RGB	254, 88, 21
RGB Percent	100%, 35%, 8%
CMY	0.0039, 0.6549, 0.9176
CMYK	0.00, 0.65, 0.92, 0.00
HSL	17°, 99%, 54%
HSV	17°, 92%, 100%
XYZ	44.4980, 28.1044, 3.7890
YIQ	129.9960, 120.4430, 14.3550

Conversions

Conversions Part 2

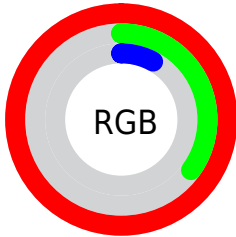
Format	Color
RYB	254, 115, 21
Decimal	16668693
CIELab	59.98, 60.73, 65.71
CIELCh	60, 89.476, 47.255
Yxy	28.1044, 0.5825, 0.3679
Android (android.graphics.Color)	4294858773 (0xFFFE5815)
YUV	129.9960, -53.7350, 108.7515
Hunter-Lab	53.0136, 57.0537, 32.8719

Details

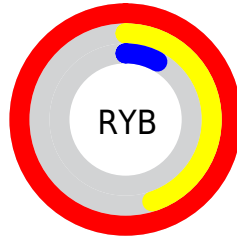
The Yxy color **28.1044, 0.5825, 0.3679** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed red. A complement of this color would be **42.8530, 0.2010, 0.2395**, and the grayscale version is **22.4857, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.0326, 0.4928, 0.3933**, and **11.2652, 0.6303, 0.3377** is the 20% darker color. If you saturate the color by 10%, you get **25.8417, 0.6024, 0.3599**, and if you desaturate by 10%, it is **31.6011, 0.5513, 0.3744**.

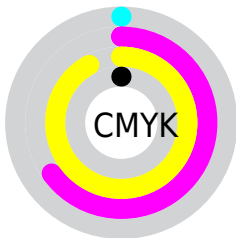
Distribution



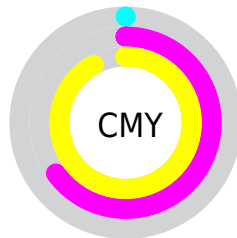
- Red (100%)
- Green (35%)
- Blue (8%)



- Red (100%)
- Yellow (45%)
- Blue (8%)



- Cyan (0%)
- Magenta (65%)
- Yellow (92%)
- Black (0%)




- Cyan (0%)
- Magenta (65%)
- Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.1044, 0.5825, 0.3679 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 28.1044, 0.5825, 0.3679 by changing the saturation by 10% instead.


 28.1044, 0.5825,
0.3679


 28.1044, 0.5825,
0.3679


292.9654, 0.4476,
0.3688


 18.4044, 0.6109,
0.3596


 56.6511, 0.5365,
0.3742


 11.2407, 0.6463,
0.3467

 76.2665, 0.5180,
0.3748


 6.2290, 0.6794,
0.3206

 99.9559, 0.5021,
0.3745

 2.9848, 0.7192,
0.2808

 128.1036, 0.4882,
0.3737

 1.1238, 0.7771,
0.2229

 161.0940, 0.4761,
0.3726


 0.0000, 1.0000,
0.0000


 199.3115, 0.4654,


 0.0000, 0.0000,

0.3714


0.0000


 243.1405, 0.4560,
0.3701


 28.1044, 0.5825,
0.3679


 28.1044, 0.5825,
0.3679


 25.8417, 0.6024,
0.3599

 31.6011, 0.5513,
0.3744

 36.0019, 0.5147,
0.3761

 41.3720, 0.4766,
0.3738

 47.7686, 0.4401,
0.3684

 55.2440, 0.4071,
0.3614

63.8467, 0.3783,
0.3535

73.6221, 0.3536,
0.3454

84.6131, 0.3329,
0.3376

96.8602, 0.3154,
0.3302

Harmonies

Analogous

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



28.1044, 0.5511, 0.2892



28.1044, 0.5825, 0.3679



28.1044, 0.5213, 0.4601

Triad

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



28.1044, 0.5825, 0.3679



28.1044, 0.1837, 0.4897



28.1044, 0.1688, 0.1406

Complementary

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



28.1044, 0.5825, 0.3679



42.8530, 0.2010, 0.2395

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.



28.1044, 0.1156, 0.1465



28.1044, 0.5825, 0.3679



28.1044, 0.1171, 0.3051

Square

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



28.1044, 0.5825, 0.3679



28.1044, 0.2936, 0.6048



28.1044, 0.0988, 0.1923



28.1044, 0.2715, 0.1651

Rectangle

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



28.1044, 0.5825, 0.3679



28.1044, 0.4521, 0.5286



28.1044, 0.0988, 0.1923



28.1044, 0.1463, 0.1390

Sweetspot

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



28.1061, 0.5825, 0.3679



67.9532, 0.3686, 0.3504



25.2373, 0.4009, 0.2015



13.6717, 0.3798, 0.3539



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.



28.1061, 0.5825, 0.3679



26.0691, 0.6024, 0.3598



64.0812, 0.4583, 0.4700



18.8378, 0.3287, 0.3359



13.8413, 0.5996, 0.3621



1.5251, 0.5775, 0.3797

Inverse Universe

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



42.8530, 0.2010, 0.2395



40.5391, 0.1974, 0.2305



11.8840, 0.1608, 0.0933



19.5468, 0.2980, 0.3220



21.4512, 0.1979, 0.2323



2.2760, 0.2013, 0.2447

Previews

White Background



This preview shows how the Yxy color 28.1044, 0.5825, 0.3679 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 28.1044, 0.5825, 0.3679 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 28.1044, 0.5825, 0.3679

Background



This preview shows how black text looks on a background with the Yxy color 28.1044, 0.5825, 0.3679.



This preview shows how white text looks on a background with the Yxy color 28.1044, 0.5825, 0.3679.

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

28.1044, 0.5825, 0.3679

Protanopia

28.1647, 0.4296, 0.4736

Deuteranopia

27.9586, 0.4720, 0.4634



Tritanopia

28.1346, 0.5342, 0.3264

Trichromacy



Original Color

28.1044, 0.5825, 0.3679

Protanomaly

26.2500, 0.4935, 0.4286

Deuteranomaly

26.7665, 0.5198, 0.4224

Tritanomaly

28.1159, 0.5587, 0.3461

Monochromacy



Original Color

28.1044, 0.5825, 0.3679

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.1136, 0.4251, 0.3664

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1044, 0.5825, 0.3679 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, 88, 21)` looks like.

```
.text, #text, p{  
  color:rgb(254, 88, 21)  
}
```

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, 88, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 88, 21) }
```

Border

The CSS property to change the border of an element to Yxy 28.1044, 0.5825, 0.3679 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, 88, 21) }
```

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

```
.border{ border-color:rgb(254, 88, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 88, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 88, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 88, 21);  
box-shadow:4px 4px 4px 4px rgb(254, 88,  
21) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1044, 0.5825, 0.3679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 88, 21) }
```

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

```
.background{ background-color: rgb(254, 88,  
21) }
```

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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