

Converting Colors

$Yxy(28.4736, 0.6092, 0.3853)$

Have a look what the booklet for
Yxy(28.4736, 0.6092, 0.3853)
contains.

Yxy(28.2394, 0.5881, 0.3713)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	29

Color

Yxy(28.2394, 0.5881, 0.3713)

Conversions

Conversions Part 1

Format	Color
Hex	FF5800
RGB	255, 88, 0
RGB Percent	100%, 35%, 0%
CMY	0.0000, 0.6548, 1.0000
CMYK	0.00, 0.65, 1.00, 0.00
HSL	21°, 100%, 50%
HSV	21°, 100%, 100%
XYZ	44.7282, 28.2394, 3.0879
YIQ	127.9010, 127.7800, 8.0360

Conversions

Conversions Part 2

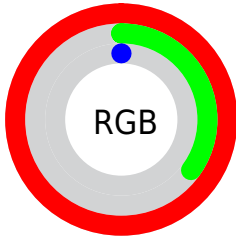
Format	Color
R_{YB}	255, 134, 0
Decimal	16734208
CIE _{Lab}	60.10, 60.88, 70.22
CIE _{LCh}	60, 92.937, 49.079
Yxy	28.2394, 0.5881, 0.3713
Android (android.graphics.Color)	4294924288 (0xFFFF5800)
YUV	127.9010, -63.0552, 111.4658
Hunter-Lab	53.1408, 57.2460, 33.7534

Details

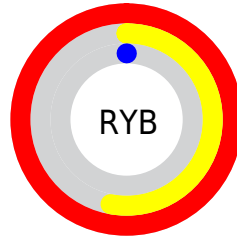
The Yxy color **28.2394, 0.5881, 0.3713** is a dark color, and the websafe version is hex **FF6600**, and the color name is **orange (pantone)**. The color can be described as dark saturated red. A complement of this color would be **34.8501, 0.1915, 0.2095**, and the grayscale version is **21.7427, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.9041, 0.4998, 0.4001**, and **11.3926, 0.6304, 0.3376** is the 20% darker color. If you saturate the color by 10%, you get **28.2415, 0.5880, 0.3713**, and if you desaturate by 10%, it is **31.3768, 0.5638, 0.3809**.

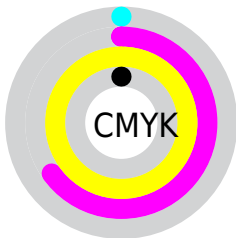
Distribution



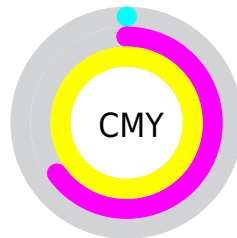
- Red (100%)
- Green (35%)
- Blue (0%)



- Red (100%)
- Yellow (53%)
- Blue (0%)



- Cyan (0%)
- Magenta (65%)
- Yellow (100%)
- Black (0%)




- Cyan (0%)
- Magenta (65%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.2394, 0.5881, 0.3713 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 28.2394, 0.5881, 0.3713 by changing the saturation by 10% instead.


 28.2394, 0.5881,
0.3713


 28.2394, 0.5881,
0.3713


293.6091, 0.4526,
0.3728


 18.5062, 0.6155,
0.3622


 56.8664, 0.5427,
0.3784

 11.3140, 0.6509,
0.3491


 76.5290, 0.5243,
0.3792


 6.2785, 0.6794,
0.3206


 100.2703, 0.5082,
0.3789


 3.0151, 0.7190,
0.2810

 128.4745, 0.4941,
0.3781

 1.1396, 0.7767,
0.2233

 161.5261, 0.4818,
0.3770


 0.0116, 0.9932,
0.0068

 199.8094, 0.4709,

 0.0000, 1.0000,

0.3756


0.0000


 243.7090, 0.4612,
0.3742


 0.0000, 0.0000,
0.0000


 28.2394, 0.5881,
0.3713


 28.2394, 0.5881,
0.3713

 28.2415, 0.5880,
0.3713

 31.3768, 0.5638,
0.3809

 35.2735, 0.5333,
0.3861

 39.9968, 0.4988,
0.3861

 45.5976, 0.4635,
0.3820

 52.1222, 0.4298,
0.3749

■ 59.6131, 0.3992,
0.3661

■ 68.1098, 0.3724,
0.3566

■ 77.6495, 0.3492,
0.3470

■ 88.2675, 0.3295,
0.3377

Harmonies

Analogous

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



28.2394, 0.5645, 0.2915



28.2394, 0.5881, 0.3713



28.2394, 0.5190, 0.4667

Triad

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



28.2394, 0.5881, 0.3713



28.2394, 0.1732, 0.4845



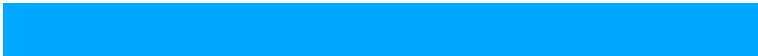
28.2394, 0.1697, 0.1369

Complementary

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



28.2394, 0.5881, 0.3713



34.8501, 0.1915, 0.2095

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.



28.2394, 0.1133, 0.1406



28.2394, 0.5881, 0.3713



28.2394, 0.1095, 0.2935

Square

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



28.2394, 0.5881, 0.3713



28.2394, 0.2832, 0.6138



28.2394, 0.0942, 0.1834



28.2394, 0.2781, 0.1635

Rectangle

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



28.2394, 0.5881, 0.3713



28.2394, 0.4460, 0.5382



28.2394, 0.0942, 0.1834



28.2394, 0.1459, 0.1346

Sweetspot

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



28.2415, 0.5880, 0.3713



68.1118, 0.3724, 0.3566



24.1616, 0.4299, 0.2142



13.7851, 0.3832, 0.3606



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.



28.2415, 0.5880, 0.3713



28.2423, 0.5880, 0.3713



68.5954, 0.4529, 0.4786



19.0122, 0.3286, 0.3373



15.0067, 0.5851, 0.3736



1.6556, 0.5632, 0.3910

Inverse Universe

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



34.8501, 0.1915, 0.2095



34.8511, 0.1915, 0.2095



8.9114, 0.1535, 0.0724



19.3638, 0.2980, 0.3206



18.4999, 0.1921, 0.2116



2.0053, 0.1963, 0.2266

Previews

White Background



This preview shows how the Yxy color 28.2394, 0.5881, 0.3713 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 28.2394, 0.5881, 0.3713 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 28.2394, 0.5881, 0.3713

Background



This preview shows how black text looks on a background with the Yxy color 28.2394, 0.5881, 0.3713.



This preview shows how white text looks on a background with the Yxy color 28.2394, 0.5881, 0.3713.

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

28.2394, 0.5881, 0.3713

Protanopia

28.5294, 0.4334, 0.4795

Tritanopia

28.3052, 0.5323, 0.3263

Trichromacy



Original Color

28.2394, 0.5881, 0.3713

Protanomaly

26.5780, 0.4986, 0.4350

Tritanomaly

28.0425, 0.5649, 0.3505

Monochromacy



Original Color

28.2394, 0.5881, 0.3713

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.4030, 0.4370, 0.3764

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2394, 0.5881, 0.3713 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, 88, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 88, 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, 88, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 88, 0) }
```

Border

The CSS property to change the border of an element to Yxy 28.2394, 0.5881, 0.3713 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, 88, 0) }
```

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

```
.border{ border-color:rgb(255, 88, 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, 88, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 88, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 88, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 88, 0)  
}
```

Background

The CSS property to change the background color of an element to Yxy 28.2394, 0.5881, 0.3713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 88, 0) }
```

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

```
.background{ background-color: rgb(255, 88,  
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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