

Converting Colors

$Y_{xy}(29.1421, 0.6052, 0.3869)$

Have a look what the booklet for
Yxy(29.1421, 0.6052, 0.3869)
contains.

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Color

Yxy(28.7422, 0.5849, 0.3738)

Conversions

Conversions Part 1

Format	Color
Hex	FF5B00
RGB	255, 91, 0
RGB Percent	100%, 36%, 0%
CMY	0.0001, 0.6430, 1.0000
CMYK	0.00, 0.64, 1.00, 0.00
HSL	21°, 100%, 50%
HSV	21°, 100%, 100%
XYZ	44.9741, 28.7422, 3.1756
YIQ	129.6620, 126.9550, 6.4670

Conversions

Conversions Part 2

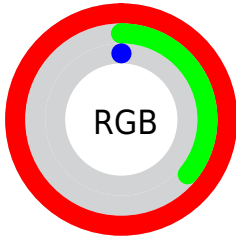
Format	Color
R_{YB}	255, 141, 0
Decimal	16734976
CIE Lab	60.55, 59.65, 70.43
CIE LCh	61, 92.293, 49.735
Yxy	28.7422, 0.5849, 0.3738
Android (android.graphics.Color)	4294925056 (0xFFFF5B00)
YUV	129.6620, -63.9234, 109.9214
Hunter-Lab	53.6118, 55.9204, 34.0162

Details

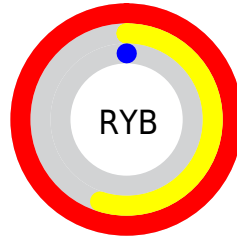
The Yxy color **28.7422, 0.5849, 0.3738** is a dark color, and the websafe version is hex **FF6600**, and the color name is **maximum orange**. The color can be described as dark saturated red. A complement of this color would be **33.7461, 0.1903, 0.2051**, and the grayscale version is **22.3993, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.5327, 0.4972, 0.4014**, and **11.6493, 0.6263, 0.3409** is the 20% darker color. If you saturate the color by 10%, you get **28.7440, 0.5849, 0.3738**, and if you desaturate by 10%, it is **31.9333, 0.5608, 0.3834**.

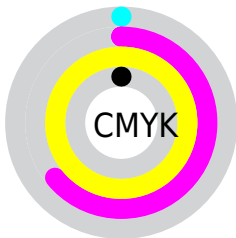
Distribution



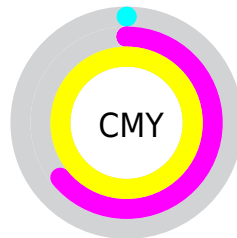
- Red (100%)
- Green (36%)
- Blue (0%)



- Red (100%)
- Yellow (55%)
- 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 28.7422, 0.5849, 0.3738 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 28.7422, 0.5849, 0.3738 by changing the saturation by 10% instead.


 28.7422, 0.5849,
0.3738

 28.7422, 0.5849,
0.3738


295.9966, 0.4513,
0.3737

 18.8859, 0.6118,
0.3652


 57.6672, 0.5402,
0.3803


 11.5879, 0.6470,
0.3530


 77.5048, 0.5220,
0.3808


 6.4637, 0.6748,
0.3252


 101.4381, 0.5062,
0.3803

 3.1290, 0.7135,
0.2865

 129.8517, 0.4923,
0.3794

 1.1995, 0.7699,
0.2301

 163.1300, 0.4801,
0.3781


 0.0613, 0.9654,
0.0346

 201.6573, 0.4694,


 0.0000, 1.0000,

0.3767


0.0000


 245.8181, 0.4598,
0.3752


 0.0000, 0.0000,
0.0000


 28.7422, 0.5849,
0.3738


 28.7422, 0.5849,
0.3738


 28.7440, 0.5849,
0.3738

 31.9333, 0.5608,
0.3834

 35.8659, 0.5307,
0.3884

 40.6043, 0.4968,
0.3882

 46.1975, 0.4621,
0.3838

 52.6899, 0.4289,
0.3764

■ 60.1222, 0.3987,
0.3673

■ 68.5323, 0.3721,
0.3575

■ 77.9559, 0.3491,
0.3476

■ 88.4268, 0.3294,
0.3380

Harmonies

Analogous

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



28.7422, 0.5633, 0.2940



28.7422, 0.5849, 0.3738



28.7422, 0.5156, 0.4689

Triad

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



28.7422, 0.5849, 0.3738



28.7422, 0.1730, 0.4779



28.7422, 0.1728, 0.1387

Complementary

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



28.7422, 0.5849, 0.3738



33.7461, 0.1903, 0.2051

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.



28.7422, 0.1156, 0.1418



28.7422, 0.5849, 0.3738



28.7422, 0.1106, 0.2910

Square

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



28.7422, 0.5849, 0.3738



28.7422, 0.2817, 0.6091



28.7422, 0.0959, 0.1835



28.7422, 0.2816, 0.1658

Rectangle

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



28.7422, 0.5849, 0.3738



28.7422, 0.4432, 0.5392



28.7422, 0.0959, 0.1835



28.7422, 0.1488, 0.1362

Sweetspot

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



28.7440, 0.5849, 0.3738



68.5478, 0.3721, 0.3575



23.9985, 0.4366, 0.2179



13.8869, 0.3829, 0.3617



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.



28.7440, 0.5849, 0.3738



28.7504, 0.5849, 0.3738



70.7408, 0.4491, 0.4816



19.0483, 0.3285, 0.3375



15.2778, 0.5819, 0.3762



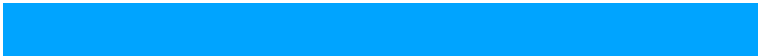
1.6850, 0.5602, 0.3934

Inverse Universe

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



33.7461, 0.1903, 0.2051



33.7536, 0.1903, 0.2051



8.6204, 0.1529, 0.0703



19.3262, 0.2980, 0.3203



17.9295, 0.1909, 0.2074



1.9524, 0.1952, 0.2228

Previews

White Background



This preview shows how the Yxy color 28.7422, 0.5849, 0.3738 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 28.7422, 0.5849, 0.3738 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 28.7422, 0.5849, 0.3738

Background



This preview shows how black text looks on a background with the Yxy color 28.7422, 0.5849, 0.3738.



This preview shows how white text looks on a background with the Yxy color 28.7422, 0.5849, 0.3738.

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

28.7422, 0.5849, 0.3738

Protanopia

28.9414, 0.4337, 0.4802

Deuteranopia

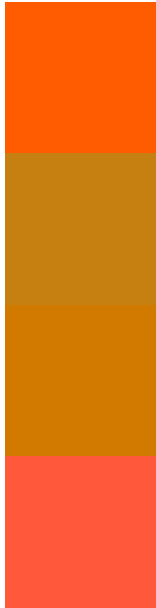
28.7795, 0.4714, 0.4639



Tritanopia

28.8317, 0.5266, 0.3262

Trichromacy



Original Color

28.7422, 0.5849, 0.3738

Protanomaly

27.2250, 0.4968, 0.4366

Deuteranomaly

27.6207, 0.5182, 0.4268

Tritanomaly

28.5449, 0.5606, 0.3517

Monochromacy



Original Color

28.7422, 0.5849, 0.3738

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 28.7422, 0.5849, 0.3738 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, 91, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 91, 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, 91, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 91, 0) }
```

Border

The CSS property to change the border of an element to Yxy 28.7422, 0.5849, 0.3738 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, 91, 0) }
```

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

```
.border{ border-color:rgb(255, 91, 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, 91, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 91, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 91, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 91, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 28.7422, 0.5849, 0.3738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 91, 0) }
```

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

```
.background{ background-color: rgb(255, 91,  
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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