

Converting Colors

$Y_{xy}(27.1581, 0.5868, 0.3722)$

Have a look what the booklet for
Yxy(27.1581, 0.5868, 0.3722)
contains.

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Color

Yxy(27.1404, 0.5871, 0.3720)

Conversions

Conversions Part 1

Format	Color
Hex	FA5700
RGB	250, 87, 0
RGB Percent	98%, 34%, 0%
CMY	0.0196, 0.6588, 0.9996
CMYK	0.00, 0.65, 1.00, 0.02
HSL	21°, 100%, 49%
HSV	21°, 100%, 98%
XYZ	42.8337, 27.1404, 2.9840
YIQ	125.8190, 125.0750, 7.4990

Conversions

Conversions Part 2

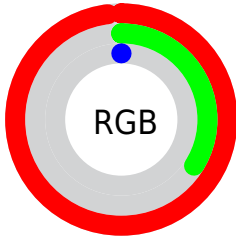
Format	Color
RYB	250, 133, 0
Decimal	16406272
CIELab	59.10, 59.62, 69.19
CIELCh	59, 91.332, 49.251
Yxy	27.1404, 0.5871, 0.3720
Android (android.graphics.Color)	4294596352 (0xFFFA5700)
YUV	125.8190, -62.0288, 108.9067
Hunter-Lab	52.0964, 55.5938, 33.0715

Details

The Yxy color **27.1404, 0.5871, 0.3720** 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 **33.1338, 0.1913, 0.2087**, and the grayscale version is **20.9877, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.2983, 0.5018, 0.3981**, and **10.7642, 0.6299, 0.3381** is the 20% darker color. If you saturate the color by 10%, you get **27.1304, 0.5872, 0.3720**, and if you desaturate by 10%, it is **30.1579, 0.5628, 0.3815**.

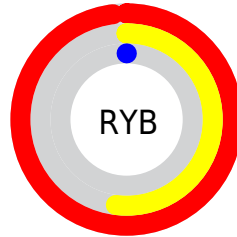
Distribution



Red (98%)

Green (34%)

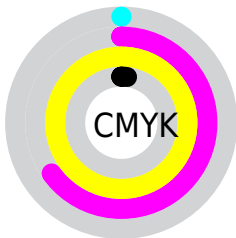
Blue (0%)



Red (98%)

Yellow (52%)

Blue (0%)

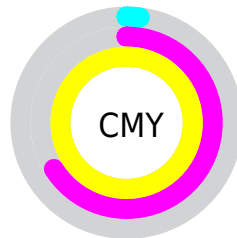


Cyan (0%)

Magenta (65%)

Yellow (100%)

Black (2%)



Cyan (2%)


Magenta (66%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.1404, 0.5871, 0.3720 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 27.1404, 0.5871, 0.3720 by changing the saturation by 10% instead.


 27.1404, 0.5871,
0.3720


 27.1404, 0.5871,
0.3720


288.3363, 0.4511,
0.3728

 17.6787, 0.6148,
0.3629


 55.1091, 0.5413,
0.3790

 10.7196, 0.6505,
0.3495


 74.3848, 0.5228,
0.3796


 5.8786, 0.6795,
0.3205

 97.7008, 0.5066,
0.3792

 2.7714, 0.7203,
0.2797

 125.4412, 0.4926,
0.3784

 1.0136, 0.7800,
0.2200

 157.9906, 0.4802,
0.3771

 0.0000, 1.0000,
0.0000

 195.7333, 0.4693,

 0.0000, 0.0000,


0.3758


0.0000

 239.0537, 0.4597,
0.3743

 27.1404, 0.5871,
0.3720

 27.1404, 0.5871,
0.3720


 27.1304, 0.5872,
0.3720

 30.1579, 0.5628,
0.3815

 33.8972, 0.5323,
0.3866

 38.4213, 0.4979,
0.3865

 43.7786, 0.4628,
0.3823

 50.0125, 0.4293,
0.3751

■ 57.1632, 0.3989,
0.3663

■ 65.2681, 0.3721,
0.3567

■ 74.3621, 0.3491,
0.3470

■ 84.4786, 0.3294,
0.3377

Harmonies

Analogous

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



27.1404, 0.5640, 0.2922



27.1404, 0.5871, 0.3720



27.1404, 0.5180, 0.4673

Triad

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



27.1404, 0.5871, 0.3720



27.1404, 0.1732, 0.4826



27.1404, 0.1706, 0.1375

Complementary

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



27.1404, 0.5871, 0.3720



33.1338, 0.1913, 0.2087

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.



27.1404, 0.1140, 0.1410



27.1404, 0.5871, 0.3720



27.1404, 0.1099, 0.2929

Square

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



27.1404, 0.5871, 0.3720



27.1404, 0.2829, 0.6123



27.1404, 0.0947, 0.1835



27.1404, 0.2790, 0.1642

Rectangle

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



27.1404, 0.5871, 0.3720



27.1404, 0.4452, 0.5384



27.1404, 0.0947, 0.1835



27.1404, 0.1467, 0.1352

Sweetspot

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



27.1420, 0.5871, 0.3720



68.2061, 0.3723, 0.3568



23.1057, 0.4297, 0.2141



13.8072, 0.3832, 0.3608



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.



27.1420, 0.5871, 0.3720



28.3507, 0.5874, 0.3718



65.6084, 0.4528, 0.4786



18.2123, 0.3285, 0.3373



14.6326, 0.5842, 0.3743



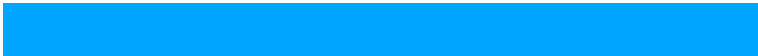
1.5452, 0.5614, 0.3925

Inverse Universe

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



33.1338, 0.1913, 0.2087



34.6109, 0.1913, 0.2085



8.5416, 0.1535, 0.0725



18.5330, 0.2980, 0.3206



17.8471, 0.1919, 0.2108



1.8511, 0.1963, 0.2266

Previews

White Background



This preview shows how the Yxy color 27.1404, 0.5871, 0.3720 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 27.1404, 0.5871, 0.3720 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 27.1404, 0.5871, 0.3720

Background



This preview shows how black text looks on a background with the Yxy color 27.1404, 0.5871, 0.3720.



This preview shows how white text looks on a background with the Yxy color 27.1404, 0.5871, 0.3720.

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

27.1404, 0.5871, 0.3720

Protanopia

27.2966, 0.4339, 0.4793

Deuteranopia

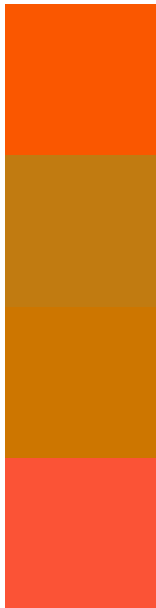
27.0312, 0.4716, 0.4638



Tritanopia

27.2362, 0.5359, 0.3263

Trichromacy



Original Color

27.1404, 0.5871, 0.3720

Protanomaly

25.5438, 0.4975, 0.4356

Deuteranomaly

25.9360, 0.5195, 0.4257

Tritanomaly

26.9621, 0.5662, 0.3506

Monochromacy



Original Color

27.1404, 0.5871, 0.3720

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.8255, 0.4354, 0.3772

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1404, 0.5871, 0.3720 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(250, 87, 0)` looks like.

```
.text, #text, p{  
    color:rgb(250, 87, 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(250, 87, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 87, 0) }
```

Border

The CSS property to change the border of an element to Yxy 27.1404, 0.5871, 0.3720 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(250, 87, 0) }
```

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

```
.border{ border-color:rgb(250, 87, 0) }
```

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

Here you see how a box with a 4 pixel rgb(250, 87, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 87, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 87, 0);  
box-shadow:4px 4px 4px 4px rgb(250, 87, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 27.1404, 0.5871, 0.3720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 87, 0) }
```

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

```
.background{ background-color: rgb(250, 87,  
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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