

Converting Colors

$Yxy(25.8526, 0.6040, 0.3586)$

Have a look what the booklet for
Yxy(25.8526, 0.6040, 0.3586)
contains.

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Color

Yxy(25.8947, 0.6037, 0.3589)

Conversions

Conversions Part 1

Format	Color
Hex	FF4800
RGB	255, 72, 0
RGB Percent	100%, 28%, 0%
CMY	0.0000, 0.7176, 1.0000
CMYK	0.00, 0.72, 1.00, 0.00
HSL	17°, 100%, 50%
HSV	17°, 100%, 100%
XYZ	43.5571, 25.8947, 2.6984
YIQ	118.5090, 132.1800, 16.4040

Conversions

Conversions Part 2

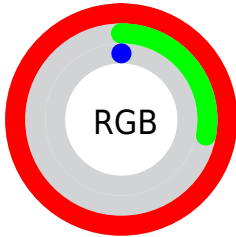
Format	Color
R_{YB}	255, 100, 0
Decimal	16730112
CIE Lab	57.94, 66.79, 69.17
CIE LCh	58, 96.153, 46.000
Yxy	25.8947, 0.6037, 0.3589
Android (android.graphics.Color)	4294920192 (0xFFFF4800)
YUV	118.5090, -58.4249, 119.7026
Hunter-Lab	50.8868, 63.7368, 32.4768

Details

The Yxy color **25.8947, 0.6037, 0.3589** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **41.0813, 0.1979, 0.2324**, and the grayscale version is **18.4436, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.8628, 0.5149, 0.3877**, and **10.8188, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **25.8965, 0.6037, 0.3589**, and if you desaturate by 10%, it is **28.6975, 0.5789, 0.3683**.

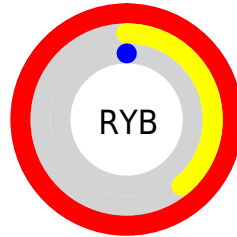
Distribution



Red (100%)

Green (28%)

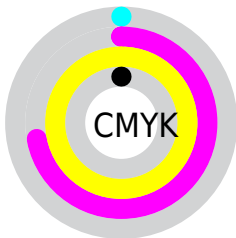
Blue (0%)



Red (100%)

Yellow (39%)

Blue (0%)

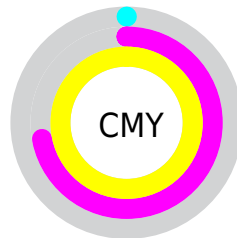


Cyan (0%)

Magenta (72%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (72%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.8947, 0.6037, 0.3589 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 25.8947, 0.6037, 0.3589 by changing the saturation by 10% instead.


 25.8947, 0.6037,
0.3589


 25.8947, 0.6037,
0.3589


282.2648, 0.4590,
0.3683


 16.7449, 0.6331,
0.3474


 53.1050, 0.5550,
0.3693


 10.0528, 0.6697,
0.3303


 71.9343, 0.5353,
0.3712


 5.4340, 0.7017,
0.2983

 94.7589, 0.5181,
0.3718

 2.5041, 0.7460,
0.2540

 121.9631, 0.5031,
0.3717

 0.8787, 0.8095,
0.1905

 153.9315, 0.4899,
0.3712

 0.0000, 1.0000,
0.0000

 191.0482, 0.4784,

 0.0000, 0.0000,

0.3703

0.0000


 233.6979, 0.4681,
0.3693

 25.8947, 0.6037,
0.3589


 25.8947, 0.6037,
0.3589


 25.8965, 0.6037,
0.3589

 28.6975, 0.5789,
0.3683

 32.3535, 0.5464,
0.3740

 36.9442, 0.5090,
0.3751

 42.5338, 0.4708,
0.3722

 49.1801, 0.4345,
0.3666

■ 56.9362, 0.4020,
0.3595

■ 65.8513, 0.3738,
0.3517

■ 75.9716, 0.3498,
0.3438

■ 87.3407, 0.3296,
0.3361

Harmonies

Analogous

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



25.8947, 0.5697, 0.2792



25.8947, 0.6037, 0.3589



25.8947, 0.5357, 0.4562

Triad

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



25.8947, 0.6037, 0.3589



25.8947, 0.1741, 0.5178



25.8947, 0.1549, 0.1282

Complementary

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



25.8947, 0.6037, 0.3589



41.0813, 0.1979, 0.2324

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.



25.8947, 0.1021, 0.1349



25.8947, 0.6037, 0.3589



25.8947, 0.1044, 0.3068

Square

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



25.8947, 0.6037, 0.3589



25.8947, 0.2899, 0.6355



25.8947, 0.0859, 0.1829



25.8947, 0.2609, 0.1523

Rectangle

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



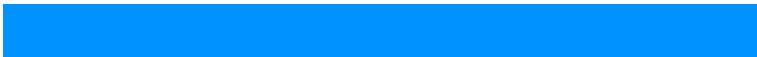
25.8947, 0.6037, 0.3589



25.8947, 0.4605, 0.5334



25.8947, 0.0859, 0.1829



25.8947, 0.1324, 0.1269

Sweetspot

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



25.8965, 0.6037, 0.3589



65.8513, 0.3738, 0.3517



24.8479, 0.4042, 0.2000



13.2595, 0.3852, 0.3550



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.



25.8965, 0.6037, 0.3589



60.5147, 0.4687, 0.4660



18.8222, 0.3287, 0.3358



13.7481, 0.6008, 0.3612



1.5144, 0.5787, 0.3787

Inverse Universe

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



41.0813, 0.1979, 0.2324



10.3996, 0.1563, 0.0828



19.5634, 0.2980, 0.3221



21.7321, 0.1984, 0.2342



2.3016, 0.2018, 0.2463

Previews

White Background



This preview shows how the Yxy color 25.8947, 0.6037, 0.3589 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 25.8947, 0.6037, 0.3589 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 25.8947, 0.6037, 0.3589

Background



This preview shows how black text looks on a background with the Yxy color 25.8947, 0.6037, 0.3589.



This preview shows how white text looks on a background with the Yxy color 25.8947, 0.6037, 0.3589.

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

25.8947, 0.6037, 0.3589

Protanopia

26.0081, 0.4320, 0.4783

Deuteranopia

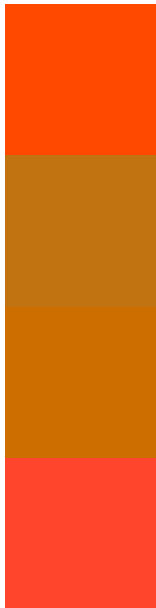
26.0052, 0.4701, 0.4650



Tritanopia

25.9712, 0.5626, 0.3283

Trichromacy



Original Color

25.8947, 0.6037, 0.3589

Protanomaly

23.6426, 0.5085, 0.4258

Deuteranomaly

24.3480, 0.5295, 0.4178

Tritanomaly

25.8298, 0.5863, 0.3449

Monochromacy



Original Color

25.8947, 0.6037, 0.3589

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.3494, 0.4462, 0.3687

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.8947, 0.6037, 0.3589 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, 72, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 72, 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, 72, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 72, 0) }
```

Border

The CSS property to change the border of an element to Yxy 25.8947, 0.6037, 0.3589 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, 72, 0) }
```

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

```
.border{ border-color:rgb(255, 72, 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, 72, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 72, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 72, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 72, 0)  
}
```

Background

The CSS property to change the background color of an element to Yxy 25.8947, 0.6037, 0.3589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 72, 0) }
```

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

```
.background{ background-color: rgb(255, 72,  
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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