

Converting Colors

$Y_{xy}(26.7769, 0.5937, 0.3658)$

Have a look what the booklet for
Yxy(26.7769, 0.5937, 0.3658)
contains.

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Color

Yxy(26.7741, 0.5938, 0.3657)

Conversions

Conversions Part 1

Format	Color
Hex	FD5103
RGB	253, 81, 3
RGB Percent	99%, 32%, 1%
CMY	0.0077, 0.6824, 0.9879
CMYK	0.00, 0.68, 0.99, 0.01
HSL	19°, 98%, 50%
HSV	19°, 99%, 99%
XYZ	43.4741, 26.7741, 2.9651
YIQ	123.5360, 127.5500, 12.2060

Conversions

Conversions Part 2

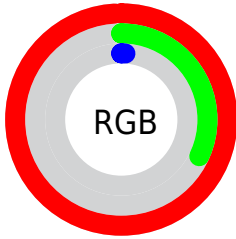
Format	Color
RYB	253, 116, 3
Decimal	16601347
CIELab	58.76, 62.98, 68.73
CIELCh	59, 93.224, 47.501
Yxy	26.7741, 0.5938, 0.3657
Android (android.graphics.Color)	4294791427 (0xFFFD5103)
YUV	123.5360, -59.4242, 113.5399
Hunter-Lab	51.7437, 59.4208, 32.8230

Details

The Yxy color **26.7741, 0.5938, 0.3657** 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 **37.8253, 0.1955, 0.2232**, and the grayscale version is **20.1642, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.8303, 0.5066, 0.3933**, and **10.5865, 0.6397, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **26.4580, 0.5966, 0.3645**, and if you desaturate by 10%, it is **29.7826, 0.5684, 0.3750**.

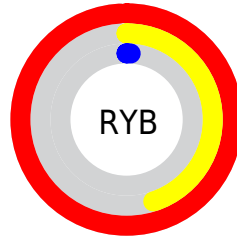
Distribution



Red (99%)

Green (32%)

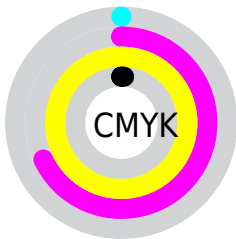
Blue (1%)



Red (99%)

Yellow (45%)

Blue (1%)

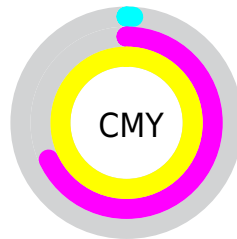


Cyan (0%)

Magenta (68%)

Yellow (99%)

Black (1%)



Cyan (1%)

Magenta (68%)

Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.7741, 0.5938, 0.3657 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 26.7741, 0.5938, 0.3657 by changing the saturation by 10% instead.


 26.7741, 0.5938,
0.3657

 26.7741, 0.5938,
0.3657


286.5617, 0.4541,
0.3703


 17.4036, 0.6223,
0.3557

 54.5212, 0.5467,
0.3741


 10.5227, 0.6590,
0.3410


 73.6665, 0.5276,
0.3752


 5.7469, 0.6893,
0.3107

 96.8390, 0.5111,
0.3753

 2.6918, 0.7314,
0.2686

 124.4230, 0.4966,
0.3748

 0.9730, 0.7926,
0.2074

 156.8029, 0.4840,
0.3739

 0.0000, 1.0000,
0.0000

 194.3630, 0.4728,

 0.0000, 0.0000,


0.3728


0.0000

 237.4878, 0.4629,
0.3715


 26.7741, 0.5938,
0.3657


 26.7741, 0.5938,
0.3657


 26.4580, 0.5966,
0.3645

 29.7826, 0.5684,
0.3750

 33.5984, 0.5360,
0.3799

 38.2898, 0.4996,
0.3800

 43.9126, 0.4628,
0.3761

 50.5173, 0.4282,
0.3696

■ 58.1503, 0.3971,
0.3615

■ 66.8549, 0.3700,
0.3529

■ 76.6719, 0.3469,
0.3442

■ 87.6397, 0.3273,
0.3359

Harmonies

Analogous

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



26.7741, 0.5647, 0.2861



26.7741, 0.5938, 0.3657



26.7741, 0.5262, 0.4614

Triad

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



26.7741, 0.5938, 0.3657



26.7741, 0.1752, 0.4989



26.7741, 0.1633, 0.1338

Complementary

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



26.7741, 0.5938, 0.3657



37.8253, 0.1955, 0.2232

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.



26.7741, 0.1089, 0.1391



26.7741, 0.5938, 0.3657



26.7741, 0.1085, 0.3007

Square

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



26.7741, 0.5938, 0.3657



26.7741, 0.2877, 0.6217



26.7741, 0.0913, 0.1845



26.7741, 0.2699, 0.1590

Rectangle

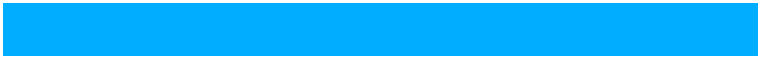
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



26.7741, 0.5938, 0.3657



26.7741, 0.4528, 0.5348



26.7741, 0.0913, 0.1845



26.7741, 0.1403, 0.1320

Sweetspot

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



26.7757, 0.5938, 0.3657



66.8956, 0.3732, 0.3539



24.1703, 0.4153, 0.2066



13.5019, 0.3843, 0.3576



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.



26.7757, 0.5938, 0.3657



26.9198, 0.5966, 0.3645



63.6233, 0.4598, 0.4726



18.9105, 0.3287, 0.3365



14.2989, 0.5937, 0.3668



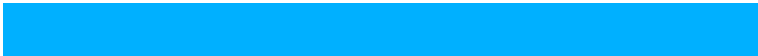
1.5773, 0.5716, 0.3843

Inverse Universe

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



37.8253, 0.1955, 0.2232



38.0871, 0.1949, 0.2217



9.6664, 0.1555, 0.0789



19.4702, 0.2980, 0.3214



20.1799, 0.1955, 0.2237



2.1600, 0.1992, 0.2371

Previews

White Background



This preview shows how the Yxy color 26.7741, 0.5938, 0.3657 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 26.7741, 0.5938, 0.3657 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 26.7741, 0.5938, 0.3657

Background



This preview shows how black text looks on a background with the Yxy color 26.7741, 0.5938, 0.3657.



This preview shows how white text looks on a background with the Yxy color 26.7741, 0.5938, 0.3657.

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

26.7741, 0.5938, 0.3657

Protanopia

26.8987, 0.4335, 0.4785

Deuteranopia

26.9117, 0.4705, 0.4646



Tritanopia

26.6675, 0.5487, 0.3266

Trichromacy



Original Color

26.7741, 0.5938, 0.3657

Protanomaly

24.9459, 0.5024, 0.4310

Deuteranomaly

25.3855, 0.5244, 0.4214

Tritanomaly

26.6176, 0.5754, 0.3471

Monochromacy



Original Color

26.7741, 0.5938, 0.3657

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.9622, 0.4390, 0.3713

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.7741, 0.5938, 0.3657 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(253, 81, 3)` looks like.

```
.text, #text, p{  
    color:rgb(253, 81, 3)  
}
```

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(253, 81, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 81, 3) }
```

Border

The CSS property to change the border of an element to Yxy 26.7741, 0.5938, 0.3657 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(253, 81, 3) }
```

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

```
.border{ border-color:rgb(253, 81, 3) }
```

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

Here you see how a box with a 4 pixel rgb(253, 81, 3) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 81, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 81, 3);  
box-shadow:4px 4px 4px 4px rgb(253, 81, 3)  
}
```


Background

The CSS property to change the background color of an element to Yxy 26.7741, 0.5938, 0.3657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 81, 3) }
```

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

```
.background{ background-color: rgb(253, 81,  
3) }
```

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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