

Converting Colors

$Y_{xy}(25.6220, 0.6000, 0.3618)$

Have a look what the booklet for
Yxy(25.6220, 0.6000, 0.3618)
contains.

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Color

Yxy(25.7276, 0.6000, 0.3618)

Conversions

Conversions Part 1

Format	Color
Hex	FC4B00
RGB	252, 75, 0
RGB Percent	99%, 29%, 0%
CMY	0.0117, 0.7059, 1.0000
CMYK	0.00, 0.70, 1.00, 0.01
HSL	18°, 100%, 49%
HSV	18°, 100%, 99%
XYZ	42.6660, 25.7276, 2.7164
YIQ	119.3730, 129.5670, 14.1990

Conversions

Conversions Part 2

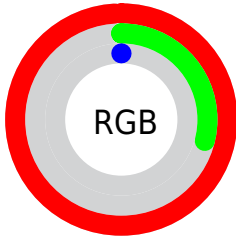
Format	Color
RYB	252, 107, 0
Decimal	16534272
CIELab	57.78, 64.83, 68.76
CIELCh	58, 94.508, 46.685
Yxy	25.7276, 0.6000, 0.3618
Android (android.graphics.Color)	4294724352 (0xFFFC4B00)
YUV	119.3730, -58.8509, 116.3139
Hunter-Lab	50.7224, 61.3842, 32.3304

Details

The Yxy color **25.7276, 0.6000, 0.3618** 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 **38.4862, 0.1964, 0.2270**, and the grayscale version is **18.7309, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.4052, 0.5129, 0.3897**, and **10.4391, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **25.7292, 0.6000, 0.3618**, and if you desaturate by 10%, it is **28.5443, 0.5752, 0.3713**.

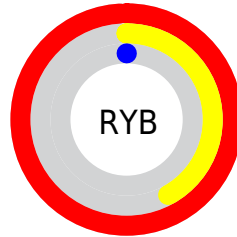
Distribution



Red (99%)

Green (29%)

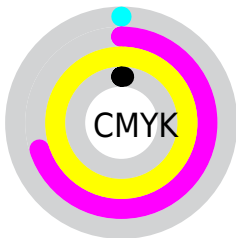
Blue (0%)



Red (99%)

Yellow (42%)

Blue (0%)

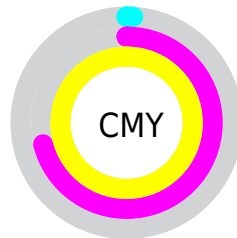


Cyan (0%)

Magenta (70%)

Yellow (100%)

Black (1%)



Cyan (1%)


Magenta (71%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.7276, 0.6000, 0.3618 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 25.7276, 0.6000, 0.3618 by changing the saturation by 10% instead.


 25.7276, 0.6000,
0.3618


 25.7276, 0.6000,
0.3618


281.4423, 0.4568,
0.3692


 16.6200, 0.6292,
0.3507


 52.8352, 0.5517,
0.3715

 9.9639, 0.6658,
0.3342


 71.6039, 0.5322,
0.3730

 5.3750, 0.6975,
0.3025

 94.3618, 0.5152,
0.3734

 2.4689, 0.7416,
0.2584

 121.4932, 0.5003,
0.3732

 0.8610, 0.8053,
0.1947

 153.3826, 0.4873,
0.3724

 0.0000, 1.0000,
0.0000

 190.4143, 0.4759,

 0.0000, 0.0000,

0.3715

0.0000


 232.9727, 0.4658,
0.3704


 25.7276, 0.6000,
0.3618


 25.7276, 0.6000,
0.3618


 25.7292, 0.6000,
0.3618

 28.5443, 0.5752,
0.3713

 32.1695, 0.5431,
0.3769

 36.6786, 0.5064,
0.3777

 42.1306, 0.4689,
0.3745

 48.5786, 0.4333,
0.3686

■ 56.0715, 0.4013,
0.3611

■ 64.6547, 0.3734,
0.3528

■ 74.3708, 0.3497,
0.3445

■ 85.2600, 0.3296,
0.3365

Harmonies

Analogous

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



25.7276, 0.5684, 0.2821



25.7276, 0.6000, 0.3618



25.7276, 0.5318, 0.4587

Triad

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



25.7276, 0.6000, 0.3618



25.7276, 0.1740, 0.5098



25.7276, 0.1583, 0.1303

Complementary

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



25.7276, 0.6000, 0.3618



38.4862, 0.1964, 0.2270

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.



25.7276, 0.1047, 0.1363



25.7276, 0.6000, 0.3618



25.7276, 0.1057, 0.3037

Square

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



25.7276, 0.6000, 0.3618



25.7276, 0.2885, 0.6305



25.7276, 0.0878, 0.1831



25.7276, 0.2648, 0.1549

Rectangle

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



25.7276, 0.6000, 0.3618



25.7276, 0.4571, 0.5345



25.7276, 0.0878, 0.1831



25.7276, 0.1355, 0.1287

Sweetspot

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



25.7292, 0.6000, 0.3618



66.3901, 0.3735, 0.3528



24.0192, 0.4104, 0.2034



13.3845, 0.3847, 0.3564



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.



25.7292, 0.6000, 0.3618



26.4115, 0.6001, 0.3617



60.8198, 0.4646, 0.4693



18.0669, 0.3287, 0.3361



13.6231, 0.5970, 0.3642



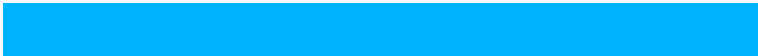
1.4379, 0.5738, 0.3826

Inverse Universe

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



38.4862, 0.1964, 0.2270



39.5108, 0.1964, 0.2269



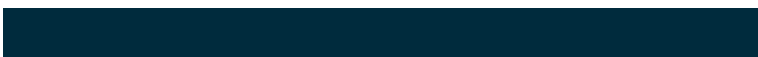
9.7243, 0.1556, 0.0799



18.6853, 0.2980, 0.3218



20.3141, 0.1969, 0.2288



2.0661, 0.2006, 0.2422

Previews

White Background



This preview shows how the Yxy color 25.7276, 0.6000, 0.3618 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 25.7276, 0.6000, 0.3618 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 25.7276, 0.6000, 0.3618

Background



This preview shows how black text looks on a background with the Yxy color 25.7276, 0.6000, 0.3618.



This preview shows how white text looks on a background with the Yxy color 25.7276, 0.6000, 0.3618.

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

25.7276, 0.6000, 0.3618

Protanopia

26.0081, 0.4320, 0.4783

Deuteranopia

25.7326, 0.4715, 0.4638



Tritanopia

25.7440, 0.5585, 0.3275

Trichromacy



Original Color

25.7276, 0.6000, 0.3618

Protanomaly

23.7409, 0.5061, 0.4277

Deuteranomaly

24.2062, 0.5287, 0.4184

Tritanomaly

25.7146, 0.5830, 0.3461

Monochromacy



Original Color

25.7276, 0.6000, 0.3618

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.4378, 0.4439, 0.3705

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.7276, 0.6000, 0.3618 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(252, 75, 0)` looks like.

```
.text, #text, p{  
    color:rgb(252, 75, 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(252, 75, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 75, 0) }
```

Border

The CSS property to change the border of an element to Yxy 25.7276, 0.6000, 0.3618 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(252, 75, 0) }
```

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

```
.border{ border-color:rgb(252, 75, 0) }
```

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

Here you see how a box with a 4 pixel rgb(252, 75, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 75, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 75, 0);  
box-shadow:4px 4px 4px 4px rgb(252, 75, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 25.7276, 0.6000, 0.3618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 75, 0) }
```

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

```
.background{ background-color: rgb(252, 75,  
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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