

Converting Colors

$Y_{xy}(25.3409, 0.6076, 0.3558)$

Have a look what the booklet for
Yxy(25.3409, 0.6076, 0.3558)
contains.

Yxy(25.3942, 0.6072, 0.3561)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(25.3942, 0.6072, 0.3561)

Conversions

Conversions Part 1

Format	Color
Hex	FF4400
RGB	255, 68, 0
RGB Percent	100%, 27%, 0%
CMY	0.0001, 0.7331, 1.0000
CMYK	0.00, 0.73, 1.00, 0.00
HSL	16°, 100%, 50%
HSV	16°, 100%, 100%
XYZ	43.3006, 25.3942, 2.6172
YIQ	116.1610, 133.2800, 18.4960

Conversions

Conversions Part 2

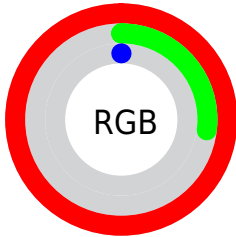
Format	Color
RYB	255, 93, 0
Decimal	16729088
CIELab	57.46, 68.10, 68.93
CIELCh	57, 96.899, 45.347
Yxy	25.3942, 0.6072, 0.3561
Android (android.graphics.Color)	4294919168 (0xFFFF4400)
YUV	116.1610, -57.2674, 121.7618
Hunter-Lab	50.3927, 65.1916, 32.1956

Details

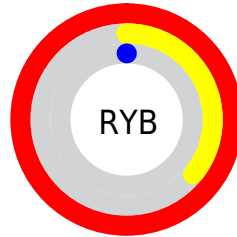
The Yxy color **25.3942, 0.6072, 0.3561** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **42.7279, 0.1995, 0.2381**, and the grayscale version is **17.6726, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0572, 0.5186, 0.3854**, and **10.6914, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **25.3959, 0.6072, 0.3561**, and if you desaturate by 10%, it is **28.1028, 0.5825, 0.3654**.

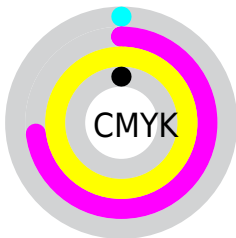
Distribution



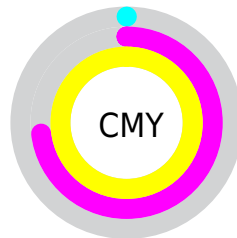
- Red (100%)
- Green (27%)
- Blue (0%)



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



- Cyan (0%)
- Magenta (73%)
- Yellow (100%)
- Black (0%)




- Cyan (0%)
- Magenta (73%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.3942, 0.6072, 0.3561 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 25.3942, 0.6072, 0.3561 by changing the saturation by 10% instead.


 25.3942, 0.6072,
0.3561

 25.3942, 0.6072,
0.3561


279.7954, 0.4604,
0.3672


 16.3710, 0.6371,
0.3440


 52.2960, 0.5578,
0.3673


 9.7871, 0.6739,
0.3261


 70.9434, 0.5377,
0.3694


 5.2580, 0.7067,
0.2933

 93.5676, 0.5203,
0.3702

 2.3994, 0.7520,
0.2480

 120.5531, 0.5051,
0.3703

 0.8256, 0.8169,
0.1831

 152.2843, 0.4918,
0.3699


 0.0000, 1.0000,
0.0000


 189.1454, 0.4800,

 0.0000, 0.0000,


0.3691


0.0000

 231.5210, 0.4696,
0.3682


 25.3942, 0.6072,
0.3561


 25.3942, 0.6072,
0.3561

 25.3959, 0.6072,
0.3561

 28.1028, 0.5825,
0.3654

 31.6867, 0.5496,
0.3711

 36.2317, 0.5115,
0.3723

 41.8059, 0.4726,
0.3698

 48.4702, 0.4357,
0.3646

■ 56.2808, 0.4027,
0.3578

■ 65.2897, 0.3742,
0.3504

■ 75.5455, 0.3500,
0.3430

■ 87.0941, 0.3297,
0.3358

Harmonies

Analogous

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



25.3942, 0.5708, 0.2765



25.3942, 0.6072, 0.3561



25.3942, 0.5395, 0.4538

Triad

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



25.3942, 0.6072, 0.3561



25.3942, 0.1742, 0.5256



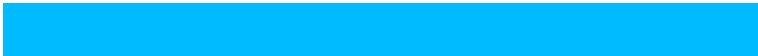
25.3942, 0.1517, 0.1263

Complementary

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



25.3942, 0.6072, 0.3561



42.7279, 0.1995, 0.2381

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.



25.3942, 0.0997, 0.1336



25.3942, 0.6072, 0.3561



25.3942, 0.1032, 0.3100

Square

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



25.3942, 0.6072, 0.3561



25.3942, 0.2912, 0.6400



25.3942, 0.0840, 0.1828



25.3942, 0.2571, 0.1498

Rectangle

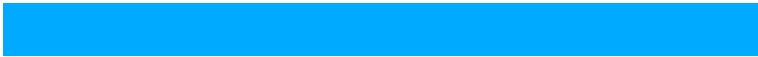
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



25.3942, 0.6072, 0.3561



25.3942, 0.4639, 0.5323



25.3942, 0.0840, 0.1828



25.3942, 0.1295, 0.1252

Sweetspot

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



25.3959, 0.6072, 0.3561



65.3031, 0.3742, 0.3504



24.8427, 0.4042, 0.2000



13.1324, 0.3857, 0.3536



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.



25.3959, 0.6072, 0.3561



25.4011, 0.6072, 0.3561



60.5022, 0.4687, 0.4660



18.7755, 0.3288, 0.3354



13.4802, 0.6043, 0.3583



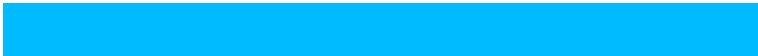
1.4830, 0.5824, 0.3757

Inverse Universe

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



42.7279, 0.1995, 0.2381



42.7366, 0.1995, 0.2381



10.3975, 0.1563, 0.0828



19.6130, 0.2980, 0.3225



22.5895, 0.1999, 0.2397



2.3793, 0.2031, 0.2511

Previews

White Background



This preview shows how the Yxy color 25.3942, 0.6072, 0.3561 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 25.3942, 0.6072, 0.3561 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 25.3942, 0.6072, 0.3561

Background



This preview shows how black text looks on a background with the Yxy color 25.3942, 0.6072, 0.3561.



This preview shows how white text looks on a background with the Yxy color 25.3942, 0.6072, 0.3561.

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

25.3942, 0.6072, 0.3561

Protanopia

25.6219, 0.4316, 0.4774

Deuteranopia

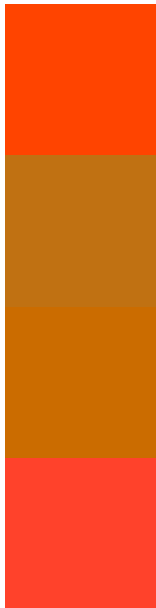
25.2313, 0.4707, 0.4644



Tritanopia

25.4458, 0.5697, 0.3284

Trichromacy



Original Color

25.3942, 0.6072, 0.3561

Protanomaly

23.0604, 0.5104, 0.4241

Deuteranomaly

23.4216, 0.5322, 0.4156

Tritanomaly

25.3308, 0.5909, 0.3431

Monochromacy



Original Color

25.3942, 0.6072, 0.3561

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.6336, 0.4506, 0.3673

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.3942, 0.6072, 0.3561 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, 68, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 68, 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, 68, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 68, 0) }
```

Border

The CSS property to change the border of an element to Yxy 25.3942, 0.6072, 0.3561 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, 68, 0) }
```

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

```
.border{ border-color:rgb(255, 68, 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, 68, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 68, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 68, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 68, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 25.3942, 0.6072, 0.3561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 68, 0) }
```

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

```
.background{ background-color: rgb(255, 68,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor