

Converting Colors

$Y_{xy}(25.4978, 0.6065, 0.3566)$

Have a look what the booklet for
Yxy(25.4978, 0.6065, 0.3566)
contains.

Yxy(25.5162, 0.6063, 0.3568)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(25.5162, 0.6063, 0.3568)

Conversions

Conversions Part 1

Format	Color
Hex	FF4500
RGB	255, 69, 0
RGB Percent	100%, 27%, 0%
CMY	0.0001, 0.7292, 1.0000
CMYK	0.00, 0.73, 1.00, 0.00
HSL	16°, 100%, 50%
HSV	16°, 100%, 100%
XYZ	43.3589, 25.5162, 2.6389
YIQ	116.7480, 133.0050, 17.9730

Conversions

Conversions Part 2

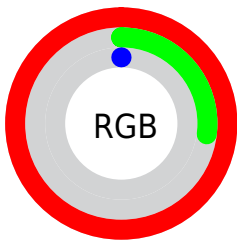
Format	Color
R_{YB}	255, 95, 0
Decimal	16729344
CIE _{Lab}	57.57, 67.77, 68.98
CIE _{LCh}	58, 96.696, 45.506
Yxy	25.5162, 0.6063, 0.3568
Android (android.graphics.Color)	4294919424 (0xFFFF4500)
YUV	116.7480, -57.5568, 121.2470
Hunter-Lab	50.5136, 64.8190, 32.2621

Details

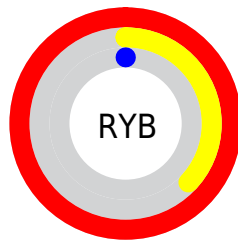
The Yxy color **25.5162, 0.6063, 0.3568** is a dark color, and the websafe version is hex **FF3300**, and the color name is **red-orange (color wheel)**. The color can be described as dark saturated red. A complement of this color would be **42.2940, 0.1991, 0.2366**, and the grayscale version is **17.8666, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.3307, 0.5169, 0.3858**, and **10.6914, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **25.5178, 0.6063, 0.3568**, and if you desaturate by 10%, it is **28.2489, 0.5816, 0.3661**.

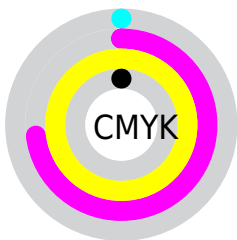
Distribution



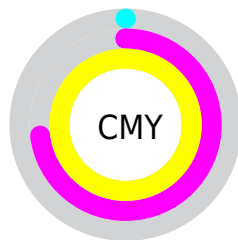
- Red (100%)
- Green (27%)
- Blue (0%)



- Red (100%)
- Yellow (37%)
- 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 25.5162, 0.6063, 0.3568 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 25.5162, 0.6063, 0.3568 by changing the saturation by 10% instead.


 25.5162, 0.6063,
0.3568


 25.5162, 0.6063,
0.3568


280.3990, 0.4600,
0.3675

 16.4621, 0.6360,
0.3448


 52.4934, 0.5571,
0.3678

 9.8517, 0.6729,
0.3271


 71.1853, 0.5371,
0.3698

 5.3007, 0.7055,
0.2945


 93.8585, 0.5197,
0.3706

 2.4248, 0.7505,
0.2495

 120.8975, 0.5046,
0.3706

 0.8386, 0.8150,
0.1850

 152.6867, 0.4913,
0.3702


 0.0000, 1.0000,
0.0000


 189.6104, 0.4796,


 0.0000, 0.0000,


0.3694


0.0000


 232.0530, 0.4692,
0.3685


 25.5162, 0.6063,
0.3568


 25.5162, 0.6063,
0.3568

 25.5178, 0.6063,
0.3568

 28.2489, 0.5816,
0.3661

 31.8512, 0.5487,
0.3718

 36.4078, 0.5109,
0.3730

 41.9855, 0.4721,
0.3704

 48.6446, 0.4354,
0.3651

■ 56.4404, 0.4026,
0.3583

■ 65.4241, 0.3741,
0.3508

■ 75.6437, 0.3500,
0.3432

■ 87.1446, 0.3297,
0.3359

Harmonies

Analogous

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



25.5162, 0.5705, 0.2772



25.5162, 0.6063, 0.3568



25.5162, 0.5385, 0.4544

Triad

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



25.5162, 0.6063, 0.3568



25.5162, 0.1742, 0.5236



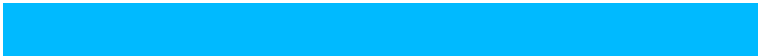
25.5162, 0.1525, 0.1268

Complementary

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



25.5162, 0.6063, 0.3568



42.2940, 0.1991, 0.2366

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.



25.5162, 0.1003, 0.1340



25.5162, 0.6063, 0.3568



25.5162, 0.1035, 0.3092

Square

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



25.5162, 0.6063, 0.3568



25.5162, 0.2909, 0.6388



25.5162, 0.0845, 0.1829



25.5162, 0.2580, 0.1504

Rectangle

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



25.5162, 0.6063, 0.3568



25.5162, 0.4630, 0.5326



25.5162, 0.0845, 0.1829



25.5162, 0.1302, 0.1256

Sweetspot

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



25.5178, 0.6063, 0.3568



65.4437, 0.3741, 0.3508



24.8404, 0.4042, 0.2000



13.1650, 0.3856, 0.3540



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.



25.5178, 0.6063, 0.3568



25.5254, 0.6063, 0.3568



60.4965, 0.4687, 0.4660



18.7875, 0.3288, 0.3355



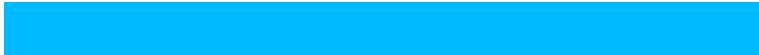
13.5475, 0.6034, 0.3591



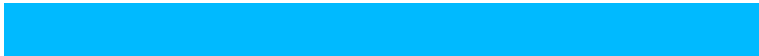
1.4909, 0.5815, 0.3765

Inverse Universe

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



42.2940, 0.1991, 0.2366



42.3065, 0.1991, 0.2366



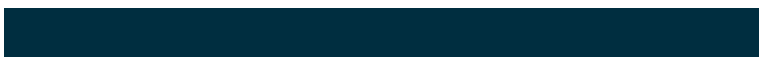
10.3966, 0.1563, 0.0828



19.6002, 0.2980, 0.3224



22.3668, 0.1995, 0.2383



2.3591, 0.2028, 0.2499

Previews

White Background



This preview shows how the Yxy color 25.5162, 0.6063, 0.3568 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 25.5162, 0.6063, 0.3568 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 25.5162, 0.6063, 0.3568

Background



This preview shows how black text looks on a background with the Yxy color 25.5162, 0.6063, 0.3568.



This preview shows how white text looks on a background with the Yxy color 25.5162, 0.6063, 0.3568.

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

25.5162, 0.6063, 0.3568

Protanopia

25.6219, 0.4316, 0.4774

Deuteranopia

25.6165, 0.4704, 0.4647



Tritanopia

25.5738, 0.5680, 0.3284

Trichromacy



Original Color

25.5162, 0.6063, 0.3568

Protanomaly

23.2848, 0.5090, 0.4253

Deuteranomaly

23.7746, 0.5316, 0.4161

Tritanomaly

25.4487, 0.5901, 0.3438

Monochromacy



Original Color

25.5162, 0.6063, 0.3568

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.8242, 0.4496, 0.3688

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.5162, 0.6063, 0.3568 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, 69, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 69, 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, 69, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 69, 0) }
```

Border

The CSS property to change the border of an element to Yxy 25.5162, 0.6063, 0.3568 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, 69, 0) }
```

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

```
.border{ border-color:rgb(255, 69, 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, 69, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 69, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 69, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 69, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 25.5162, 0.6063, 0.3568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 69, 0) }
```

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

```
.background{ background-color: rgb(255, 69,  
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