

Converting Colors

$Y_{xy}(25.4132, 0.5480, 0.3817)$

Have a look what the booklet for
Yxy(25.4132, 0.5480, 0.3817)
contains.

Yxy(25.3819, 0.5484, 0.3818)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(25.3819, 0.5484, 0.3818)

Conversions

Conversions Part 1

Format	Color
Hex	E36324
RGB	227, 99, 36
RGB Percent	89%, 39%, 14%
CMY	0.1098, 0.6117, 0.8591
CMYK	0.00, 0.56, 0.84, 0.11
HSL	20°, 77%, 52%
HSV	20°, 84%, 89%
XYZ	36.4574, 25.3819, 4.6403
YIQ	130.0900, 96.5110, 7.5430

Conversions

Conversions Part 2

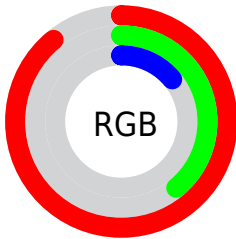
Format	Color
R_{YB}	227, 130, 36
Decimal	14902052
CIE _{Lab}	57.45, 46.71, 56.77
CIE _{LCh}	57, 73.519, 50.551
Yxy	25.3819, 0.5484, 0.3818
Android (android.graphics.Color)	4293092132 (0xFFE36324)
YUV	130.0900, -46.3864, 84.9901
Hunter-Lab	50.3805, 41.0043, 29.8054

Details

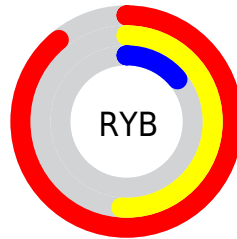
The Yxy color **25.3819, 0.5484, 0.3818** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed orange. A complement of this color would be **32.4371, 0.2022, 0.2355**, and the grayscale version is **22.4972, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.7306, 0.4773, 0.3928**, and **9.8465, 0.5993, 0.3623** is the 20% darker color. If you saturate the color by 10%, you get **22.6709, 0.5770, 0.3747**, and if you desaturate by 10%, it is **28.7259, 0.5145, 0.3839**.

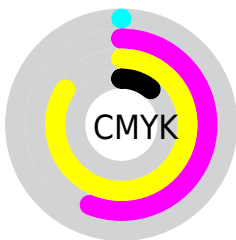
Distribution



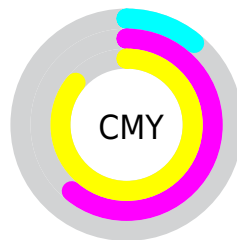
- Red (89%)
- Green (39%)
- Blue (14%)



- Red (89%)
- Yellow (51%)
- Blue (14%)



- Cyan (0%)
- Magenta (56%)
- Yellow (84%)
- Black (11%)





- Cyan (11%)
- Magenta (61%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.3819, 0.5484, 0.3818 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 25.3819, 0.5484, 0.3818 by changing the saturation by 10% instead.


 25.3819, 0.5484,
0.3818


 25.3819, 0.5484,
0.3818


279.7345, 0.4257,
0.3694


 16.3618, 0.5764,
0.3778


 52.2761, 0.5048,
0.3822


 9.7805, 0.6104,
0.3691


 70.9190, 0.4879,
0.3807


 5.2537, 0.6496,
0.3504

 93.5383, 0.4736,
0.3789

 2.3969, 0.6881,
0.3119

 120.5184, 0.4612,
0.3770

 0.8243, 0.7485,
0.2515

 152.2437, 0.4505,
0.3750

 0.0000, 1.0000,
0.0000

 189.0985, 0.4412,

 0.0000, 0.0000,

0.3731

0.0000

231.4673, 0.4330,
0.3712

■ 25.3819, 0.5484,
0.3818

■ 25.3819, 0.5484,
0.3818

■ 22.6709, 0.5770,
0.3747

■ 28.7259, 0.5145,
0.3839

■ 21.3560, 0.5909,
0.3691


■ 32.7411, 0.4787,
0.3815

■ 37.4670, 0.4437,
0.3757


■ 42.9383, 0.4115,
0.3679

■ 49.1874, 0.3830,
0.3590

 56.2444, 0.3583,
0.3499

 64.1379, 0.3372,
0.3409

 72.8949, 0.3193,
0.3324

 82.5413, 0.3042,
0.3245

Harmonies

Analogous

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



25.3819, 0.5254, 0.3063



25.3819, 0.5484, 0.3818



25.3819, 0.4950, 0.4655

Triad

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



25.3819, 0.5484, 0.3818



25.3819, 0.1943, 0.4461



25.3819, 0.1937, 0.1611

Complementary

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



25.3819, 0.5484, 0.3818



32.4371, 0.2022, 0.2355

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.



25.3819, 0.1391, 0.1644



25.3819, 0.5484, 0.3818



25.3819, 0.1358, 0.2981

Square

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



25.3819, 0.5484, 0.3818



25.3819, 0.2920, 0.5559



25.3819, 0.1202, 0.2042



25.3819, 0.2913, 0.1868

Rectangle

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



25.3819, 0.5484, 0.3818



25.3819, 0.4344, 0.5207



25.3819, 0.1202, 0.2042



25.3819, 0.1710, 0.1588

Sweetspot

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



25.3833, 0.5484, 0.3818



72.2694, 0.3606, 0.3508



20.3587, 0.4013, 0.2082



14.7551, 0.3690, 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.



25.3833, 0.5484, 0.3818



27.6314, 0.5920, 0.3682



54.1421, 0.4443, 0.4732



15.1414, 0.3284, 0.3368



12.6458, 0.5881, 0.3712



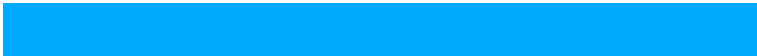
1.0997, 0.5597, 0.3938

Inverse Universe

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



32.4371, 0.2022, 0.2355



36.2712, 0.1931, 0.2150



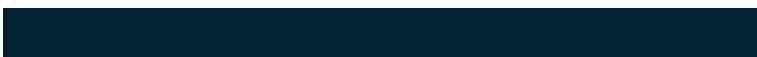
10.4199, 0.1666, 0.1031



15.4923, 0.2981, 0.3211



16.5622, 0.1938, 0.2176



1.3923, 0.1988, 0.2358

Previews

White Background



This preview shows how the Yxy color 25.3819, 0.5484, 0.3818 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 25.3819, 0.5484, 0.3818 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 25.3819, 0.5484, 0.3818

Background



This preview shows how black text looks on a background with the Yxy color 25.3819, 0.5484, 0.3818.



This preview shows how white text looks on a background with the Yxy color 25.3819, 0.5484, 0.3818.

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

25.3819, 0.5484, 0.3818

Protanopia

25.6311, 0.4212, 0.4645

Deuteranopia

25.3971, 0.4669, 0.4575



Tritanopia

25.3876, 0.4899, 0.3232

Trichromacy



Original Color

25.3819, 0.5484, 0.3818

Protanomaly

24.4062, 0.4715, 0.4313

Deuteranomaly

24.7376, 0.5006, 0.4266

Tritanomaly

25.2002, 0.5170, 0.3484

Monochromacy



Original Color

25.3819, 0.5484, 0.3818

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.0375, 0.4017, 0.3654

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.3819, 0.5484, 0.3818 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(227, 99, 36)` looks like.

```
.text, #text, p{  
    color:rgb(227, 99, 36)  
}
```

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(227, 99, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 99, 36) }
```

Border

The CSS property to change the border of an element to Yxy 25.3819, 0.5484, 0.3818 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(227, 99, 36) }
```

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

```
.border{ border-color:rgb(227, 99, 36) }
```

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

Here you see how a box with a 4 pixel rgb(227, 99, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 99, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 99, 36);  
box-shadow:4px 4px 4px 4px rgb(227, 99,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 25.3819, 0.5484, 0.3818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 99, 36) }
```

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

```
.background{ background-color: rgb(227, 99,  
36) }
```

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