

Converting Colors

$Y_{xy}(25.5726, 0.5898, 0.3669)$

Have a look what the booklet for
Yxy(25.5726, 0.5898, 0.3669)
contains.

Yxy(25.4974, 0.5898, 0.3668)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(25.4974, 0.5898, 0.3668)$

Conversions

Conversions Part 1

Format	Color
Hex	F65109
RGB	246, 81, 9
RGB Percent	96%, 32%, 4%
CMY	0.0353, 0.6823, 0.9650
CMYK	0.00, 0.67, 0.96, 0.04
HSL	18°, 93%, 50%
HSV	18°, 96%, 96%
XYZ	40.9988, 25.4974, 3.0169
YIQ	122.1270, 121.4520, 12.5880

Conversions

Conversions Part 2

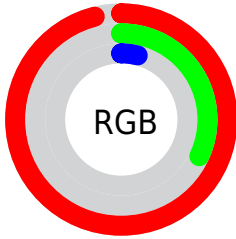
Format	Color
R_{YB}	246, 112, 9
Decimal	16142601
CIE Lab	57.56, 60.73, 66.30
CIE LCh	58, 89.913, 47.511
Yxy	25.4974, 0.5898, 0.3668
Android (android.graphics.Color)	4294332681 (0xFFFF65109)
YUV	122.1270, -55.7716, 108.6366
Hunter-Lab	50.4950, 56.5649, 31.8041

Details

The Yxy color **25.4974, 0.5898, 0.3668** 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 **36.9555, 0.1974, 0.2289**, and the grayscale version is **19.6604, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.8666, 0.5045, 0.3913**, and **9.9757, 0.6372, 0.3322** is the 20% darker color. If you saturate the color by 10%, you get **24.5976, 0.5982, 0.3632**, and if you desaturate by 10%, it is **28.4656, 0.5625, 0.3752**.

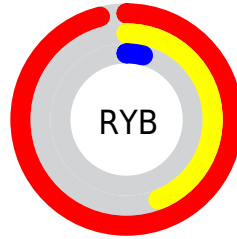
Distribution



Red (96%)

Green (32%)

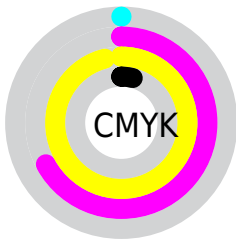
Blue (4%)



Red (96%)

Yellow (44%)

Blue (4%)

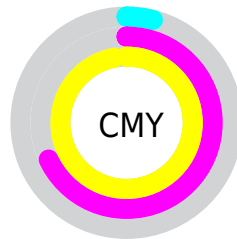


Cyan (0%)

Magenta (67%)

Yellow (96%)

Black (4%)



Cyan (4%)

Magenta (68%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.4974, 0.5898, 0.3668 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 25.4974, 0.5898, 0.3668 by changing the saturation by 10% instead.


 25.4974, 0.5898,
0.3668


 25.4974, 0.5898,
0.3668


280.3060, 0.4502,
0.3697


 16.4480, 0.6189,
0.3571


 52.4630, 0.5422,
0.3745

 9.8417, 0.6570,
0.3430


 71.1480, 0.5231,
0.3754

 5.2942, 0.6878,
0.3122

 93.8137, 0.5066,
0.3752

 2.4209, 0.7312,
0.2688

 120.8445, 0.4922,
0.3745

 0.8366, 0.7952,
0.2048

 152.6247, 0.4796,
0.3735


 0.0000, 1.0000,
0.0000

 189.5388, 0.4686,

 0.0000, 0.0000,


0.3723


0.0000


 231.9711, 0.4589,
0.3710


 25.4974, 0.5898,
0.3668


 25.4974, 0.5898,
0.3668


 24.5976, 0.5982,
0.3632

 28.4656, 0.5625,
0.3752

 32.2186, 0.5285,
0.3789

 36.8169, 0.4914,
0.3780

 42.3126, 0.4547,
0.3736

 48.7531, 0.4206,
0.3667

■ 56.1822, 0.3903,
0.3587

■ 64.6407, 0.3642,
0.3502

■ 74.1670, 0.3419,
0.3418

■ 84.7977, 0.3231,
0.3338

Harmonies

Analogous

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



25.4974, 0.5602, 0.2874



25.4974, 0.5898, 0.3668



25.4974, 0.5242, 0.4613

Triad

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



25.4974, 0.5898, 0.3668



25.4974, 0.1779, 0.4950



25.4974, 0.1655, 0.1362

Complementary

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



25.4974, 0.5898, 0.3668



36.9555, 0.1974, 0.2289

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.



25.4974, 0.1113, 0.1416



25.4974, 0.5898, 0.3668



25.4974, 0.1114, 0.3018

Square

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



25.4974, 0.5898, 0.3668



25.4974, 0.2895, 0.6157



25.4974, 0.0939, 0.1870



25.4974, 0.2709, 0.1612

Rectangle

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



25.4974, 0.5898, 0.3668



25.4974, 0.4523, 0.5330



25.4974, 0.0939, 0.1870



25.4974, 0.1426, 0.1345

Sweetspot

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



25.4989, 0.5898, 0.3668



67.5622, 0.3708, 0.3525



22.8779, 0.4121, 0.2057



13.6198, 0.3819, 0.3561



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.



25.4989, 0.5898, 0.3668



26.6418, 0.5985, 0.3630



60.2712, 0.4580, 0.4728



17.3040, 0.3286, 0.3363



13.3442, 0.5953, 0.3656



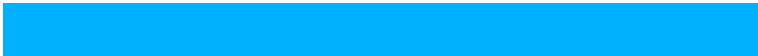
1.3463, 0.5709, 0.3849

Inverse Universe

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



36.9555, 0.1974, 0.2289



38.8515, 0.1957, 0.2245



9.5735, 0.1569, 0.0826



17.8576, 0.2980, 0.3216



19.3988, 0.1963, 0.2266



1.8855, 0.2003, 0.2410

Previews

White Background



This preview shows how the Yxy color 25.4974, 0.5898, 0.3668 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 25.4974, 0.5898, 0.3668 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 25.4974, 0.5898, 0.3668

Background



This preview shows how black text looks on a background with the Yxy color 25.4974, 0.5898, 0.3668.



This preview shows how white text looks on a background with the Yxy color 25.4974, 0.5898, 0.3668.

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

25.4974, 0.5898, 0.3668

Protanopia

25.6170, 0.4320, 0.4780

Deuteranopia

25.6165, 0.4704, 0.4647



Tritanopia

25.5076, 0.5433, 0.3272

Trichromacy



Original Color

25.4974, 0.5898, 0.3668

Protanomaly

23.8298, 0.4992, 0.4310

Deuteranomaly

24.2343, 0.5226, 0.4220

Tritanomaly

25.4893, 0.5684, 0.3470

Monochromacy



Original Color

25.4974, 0.5898, 0.3668

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.3250, 0.4334, 0.3693

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.4974, 0.5898, 0.3668 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(246, 81, 9)` looks like.

```
.text, #text, p{  
    color:rgb(246, 81, 9)  
}
```

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(246, 81, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 81, 9) }
```

Border

The CSS property to change the border of an element to Yxy 25.4974, 0.5898, 0.3668 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(246, 81, 9) }
```

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

```
.border{ border-color:rgb(246, 81, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 81, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 81, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 81, 9);  
box-shadow:4px 4px 4px 4px rgb(246, 81, 9)  
}
```


Background

The CSS property to change the background color of an element to Yxy 25.4974, 0.5898, 0.3668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 81, 9) }
```

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

```
.background{ background-color: rgb(246, 81,  
9) }
```

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