

Converting Colors

$Y_{xy}(25.8530, 0.5990, 0.3565)$

Have a look what the booklet for
Yxy(25.8530, 0.5990, 0.3565)
contains.

Yxy(25.7460, 0.5991, 0.3563)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(25.7460, 0.5991, 0.3563)

Conversions

Conversions Part 1

Format	Color
Hex	FE4811
RGB	254, 72, 17
RGB Percent	100%, 28%, 7%
CMY	0.0039, 0.7176, 0.9329
CMYK	0.00, 0.72, 0.93, 0.00
HSL	14°, 99%, 53%
HSV	14°, 93%, 100%
XYZ	43.2906, 25.7460, 3.2228
YIQ	120.1480, 126.1270, 21.4790

Conversions

Conversions Part 2

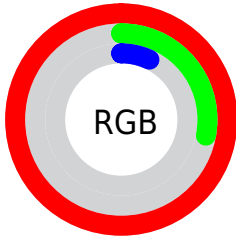
Format	Color
R_{YB}	254, 89, 17
Decimal	16664593
CIE _{Lab}	57.80, 66.62, 65.37
CIE _{LCh}	58, 93.331, 44.457
Yxy	25.7460, 0.5991, 0.3563
Android (android.graphics.Color)	4294854673 (0xFFFE4811)
YUV	120.1480, -50.8520, 117.3882
Hunter-Lab	50.7405, 63.4959, 31.7526

Details

The Yxy color **25.7460, 0.5991, 0.3563** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **48.1633, 0.2054, 0.2565**, and the grayscale version is **18.9751, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9605, 0.5089, 0.3824**, and **10.6914, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **24.1842, 0.6145, 0.3503**, and if you desaturate by 10%, it is **28.8138, 0.5684, 0.3632**.

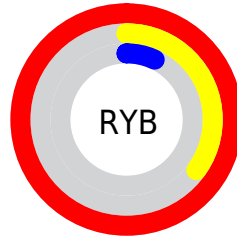
Distribution



Red (100%)

Green (28%)

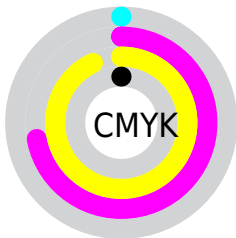
Blue (7%)



Red (100%)

Yellow (35%)

Blue (7%)

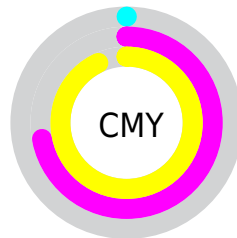


Cyan (0%)

Magenta (72%)

Yellow (93%)

Black (0%)



Cyan (0%)

Magenta (72%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.7460, 0.5991, 0.3563 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 25.7460, 0.5991, 0.3563 by changing the saturation by 10% instead.


 25.7460, 0.5991,
0.3563


 25.7460, 0.5991,
0.3563


281.5330, 0.4546,
0.3650


 16.6337, 0.6294,
0.3454


 52.8649, 0.5497,
0.3660

 9.9737, 0.6697,
0.3303


 71.6403, 0.5300,
0.3677

 5.3815, 0.7018,
0.2982

 94.4055, 0.5129,
0.3682

 2.4728, 0.7463,
0.2537

 121.5450, 0.4980,
0.3681

 0.8630, 0.8101,
0.1899

 153.4431, 0.4850,
0.3676

 0.0000, 1.0000,
0.0000

 190.4842, 0.4736,

 0.0000, 0.0000,


0.3669


0.0000

 233.0527, 0.4636,
0.3660


 25.7460, 0.5991,
0.3563


 25.7460, 0.5991,
0.3563


 24.1842, 0.6145,
0.3503

 28.8138, 0.5684,
0.3632

 32.8642, 0.5303,
0.3662

 37.9789, 0.4897,
0.3653

 44.2290, 0.4504,
0.3616

 51.6789, 0.4149,
0.3561

60.3883, 0.3840,
0.3498

70.4128, 0.3579,
0.3433

81.8044, 0.3361,
0.3369

94.6124, 0.3179,
0.3309

Harmonies

Analogous

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



25.7460, 0.5581, 0.2773



25.7460, 0.5991, 0.3563



25.7460, 0.5375, 0.4506

Triad

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



25.7460, 0.5991, 0.3563



25.7460, 0.1831, 0.5221



25.7460, 0.1542, 0.1312

Complementary

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



25.7460, 0.5991, 0.3563



48.1633, 0.2054, 0.2565

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.



25.7460, 0.1039, 0.1397



25.7460, 0.5991, 0.3563



25.7460, 0.1106, 0.3173

Square

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



25.7460, 0.5991, 0.3563



25.7460, 0.2990, 0.6272



25.7460, 0.0895, 0.1906



25.7460, 0.2555, 0.1535

Rectangle

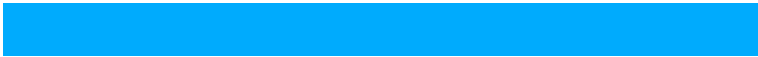
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



25.7460, 0.5991, 0.3563



25.7460, 0.4656, 0.5250



25.7460, 0.0895, 0.1906



25.7460, 0.1326, 0.1304

Sweetspot

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



25.7476, 0.5991, 0.3563



66.0817, 0.3697, 0.3464



25.7700, 0.3806, 0.1893



13.2336, 0.3814, 0.3492



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.



25.7476, 0.5991, 0.3563



24.3987, 0.6145, 0.3502



56.5990, 0.4747, 0.4576



18.6701, 0.3289, 0.3346



12.9347, 0.6119, 0.3524



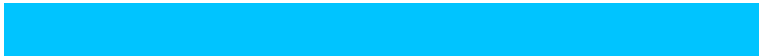
1.4170, 0.5905, 0.3693

Inverse Universe

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



48.1633, 0.2054, 0.2565



46.6527, 0.2030, 0.2508



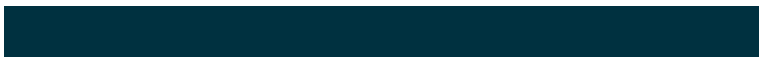
13.6521, 0.1636, 0.1048



19.7255, 0.2980, 0.3234



24.6157, 0.2034, 0.2522



2.5618, 0.2061, 0.2620

Previews

White Background



This preview shows how the Yxy color 25.7460, 0.5991, 0.3563 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 25.7460, 0.5991, 0.3563 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 25.7460, 0.5991, 0.3563

Background



This preview shows how black text looks on a background with the Yxy color 25.7460, 0.5991, 0.3563.



This preview shows how white text looks on a background with the Yxy color 25.7460, 0.5991, 0.3563.

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

25.7460, 0.5991, 0.3563

Protanopia

25.9454, 0.4276, 0.4743

Deuteranopia

25.7326, 0.4715, 0.4638



Tritanopia

25.7165, 0.5651, 0.3276

Trichromacy



Original Color

25.7460, 0.5991, 0.3563

Protanomaly

23.5518, 0.5032, 0.4221

Deuteranomaly

24.0024, 0.5287, 0.4159

Tritanomaly

25.7553, 0.5823, 0.3411

Monochromacy



Original Color

25.7460, 0.5991, 0.3563

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.7600, 0.4368, 0.3598

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.7460, 0.5991, 0.3563 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(254, 72, 17)` looks like.

```
.text, #text, p{  
    color:rgb(254, 72, 17)  
}
```

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(254, 72, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 72, 17) }
```

Border

The CSS property to change the border of an element to Yxy 25.7460, 0.5991, 0.3563 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(254, 72, 17) }
```

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

```
.border{ border-color:rgb(254, 72, 17) }
```

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

Here you see how a box with a 4 pixel rgb(254, 72, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 72, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 72, 17);  
box-shadow:4px 4px 4px 4px rgb(254, 72,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 25.7460, 0.5991, 0.3563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 72, 17) }
```

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

```
.background{ background-color: rgb(254, 72,  
17) }
```

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