

Converting Colors

Yxy(25.9384, 0.5991, 0.3559)

Have a look what the booklet for
Yxy(25.9384, 0.5991, 0.3559)
contains.

Yxy(25.9384, 0.5991, 0.3559)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(25.9384, 0.5991, 0.3559)

Conversions

Conversions Part 1

Format	Color
Hex	FF4812
RGB	255, 72, 18
RGB Percent	100%, 28%, 7%
CMY	0.0001, 0.7175, 0.9292
CMYK	0.00, 0.72, 0.93, 0.00
HSL	14°, 100%, 54%
HSV	14°, 93%, 100%
XYZ	43.6631, 25.9384, 3.2797
YIQ	120.5610, 126.4020, 22.0020

Conversions

Conversions Part 2

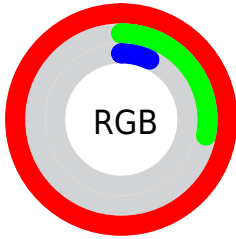
Format	Color
R_{YB}	255, 88, 18
Decimal	16730130
CIE _{Lab}	57.98, 66.93, 65.32
CIE _{LCh}	58, 93.520, 44.304
Yxy	25.9384, 0.5991, 0.3559
Android (android.graphics.Color)	4294920210 (0xFFFF4812)
YUV	120.5610, -50.5626, 117.9030
Hunter-Lab	50.9298, 63.9045, 31.8328

Details

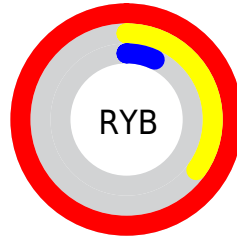
The Yxy color **25.9384, 0.5991, 0.3559** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **49.1232, 0.2059, 0.2581**, and the grayscale version is **19.1135, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9736, 0.5081, 0.3816**, and **10.8188, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **24.2928, 0.6153, 0.3496**, and if you desaturate by 10%, it is **29.0418, 0.5680, 0.3627**.

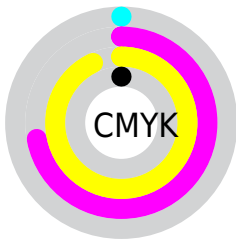
Distribution



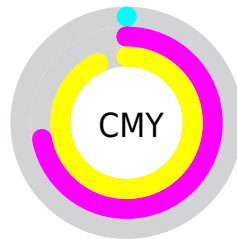
- Red (100%)
- Green (28%)
- Blue (7%)



- 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 25.9384, 0.5991, 0.3559 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 25.9384, 0.5991, 0.3559 by changing the saturation by 10% instead.


 25.9384, 0.5991,
0.3559


 25.9384, 0.5991,
0.3559


282.4796, 0.4547,
0.3647


 16.7776, 0.6294,
0.3451


 53.1756, 0.5498,
0.3656


 10.0760, 0.6696,
0.3300


 72.0207, 0.5300,
0.3673


 5.4494, 0.7019,
0.2981

 94.8626, 0.5129,
0.3679

 2.5133, 0.7462,
0.2538

 122.0859, 0.4981,
0.3678

 0.8833, 0.8095,
0.1905

 154.0748, 0.4851,
0.3673

 0.0000, 1.0000,
0.0000


 191.2138, 0.4737,

 0.0000, 0.0000,


0.3666

0.0000

 233.8873, 0.4637,
0.3657


 25.9384, 0.5991,
0.3559

 25.9384, 0.5991,
0.3559

 24.2928, 0.6153,
0.3496

 29.0418, 0.5680,
0.3627

 33.1462, 0.5297,
0.3655

 38.3346, 0.4889,
0.3646

 44.6797, 0.4495,
0.3609

 52.2473, 0.4140,
0.3555

61.0984, 0.3832,
0.3492

71.2896, 0.3572,
0.3428

82.8741, 0.3354,
0.3365

95.9023, 0.3174,
0.3306

Harmonies

Analogous

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



25.9384, 0.5575, 0.2770



25.9384, 0.5991, 0.3559



25.9384, 0.5379, 0.4501

Triad

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



25.9384, 0.5991, 0.3559



25.9384, 0.1837, 0.5229



25.9384, 0.1538, 0.1312

Complementary

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



25.9384, 0.5991, 0.3559



49.1232, 0.2059, 0.2581

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.



25.9384, 0.1038, 0.1399



25.9384, 0.5991, 0.3559



25.9384, 0.1109, 0.3182

Square

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



25.9384, 0.5991, 0.3559



25.9384, 0.2996, 0.6271



25.9384, 0.0896, 0.1911



25.9384, 0.2549, 0.1533

Rectangle

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



25.9384, 0.5991, 0.3559



25.9384, 0.4662, 0.5243



25.9384, 0.0896, 0.1911



25.9384, 0.1324, 0.1305

Sweetspot

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



25.9400, 0.5991, 0.3559



65.9510, 0.3698, 0.3461



26.0343, 0.3804, 0.1893



13.2031, 0.3815, 0.3489



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.



25.9400, 0.5991, 0.3559



24.2959, 0.6153, 0.3496



57.2051, 0.4744, 0.4577



18.6583, 0.3289, 0.3345



12.8785, 0.6127, 0.3517



1.4100, 0.5914, 0.3686

Inverse Universe

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



49.1232, 0.2059, 0.2581



47.1083, 0.2034, 0.2522



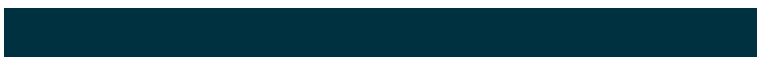
13.8739, 0.1639, 0.1054



19.7382, 0.2980, 0.3235



24.8512, 0.2038, 0.2536



2.5829, 0.2064, 0.2632

Previews

White Background



This preview shows how the Yxy color 25.9384, 0.5991, 0.3559 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 25.9384, 0.5991, 0.3559 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 25.9384, 0.5991, 0.3559

Background



This preview shows how black text looks on a background with the Yxy color 25.9384, 0.5991, 0.3559.



This preview shows how white text looks on a background with the Yxy color 25.9384, 0.5991, 0.3559.

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

25.9384, 0.5991, 0.3559

Protanopia

26.0516, 0.4283, 0.4728

Deuteranopia

26.0052, 0.4701, 0.4650



Tritanopia

25.9712, 0.5626, 0.3283

Trichromacy



Original Color

25.9384, 0.5991, 0.3559

Protanomaly

23.6876, 0.5037, 0.4209

Deuteranomaly

24.3634, 0.5279, 0.4162

Tritanomaly

25.8883, 0.5807, 0.3413

Monochromacy



Original Color

25.9384, 0.5991, 0.3559

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

18.8866, 0.4367, 0.3581

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.9384, 0.5991, 0.3559 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, 72, 18)` looks like.

```
.text, #text, p{  
    color:rgb(255, 72, 18)  
}
```

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, 72, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 72, 18) }
```

Border

The CSS property to change the border of an element to Yxy 25.9384, 0.5991, 0.3559 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, 72, 18) }
```

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

```
.border{ border-color:rgb(255, 72, 18) }
```

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

Here you see how a box with a 4 pixel rgb(255, 72, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 72, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 72, 18);  
box-shadow:4px 4px 4px 4px rgb(255, 72,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 25.9384, 0.5991, 0.3559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 72, 18) }
```

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

```
.background{ background-color: rgb(255, 72,  
18) }
```

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