

Converting Colors

$Y_{xy}(23.9867, 0.5968, 0.3424)$

Have a look what the booklet for
Yxy(23.9867, 0.5968, 0.3424)
contains.

Yxy(23.9867, 0.5968, 0.3424)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.9867, 0.5968, 0.3424)

Conversions

Conversions Part 1

Format	Color
Hex	FB3D26
RGB	251, 61, 38
RGB Percent	98%, 24%, 15%
CMY	0.0156, 0.7609, 0.8510
CMYK	0.00, 0.76, 0.85, 0.02
HSL	6°, 96%, 57%
HSV	6°, 85%, 98%
XYZ	41.8086, 23.9867, 4.2593
YIQ	115.1880, 120.6230, 33.1270

Conversions

Conversions Part 2

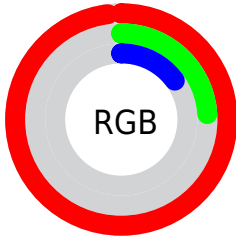
Format	Color
R_{YB}	251, 64, 38
Decimal	16465190
CIE Lab	56.07, 69.59, 56.37
CIE LCh	56, 89.561, 39.009
Yxy	23.9867, 0.5968, 0.3424
Android (android.graphics.Color)	4294655270 (0xFFFB3D26)
YUV	115.1880, -38.0537, 119.1071
Hunter-Lab	48.9762, 66.6683, 29.1271

Details

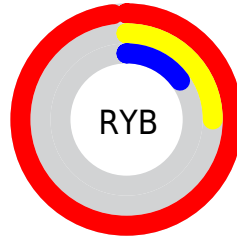
The Yxy color **23.9867, 0.5968, 0.3424** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **62.8879, 0.2191, 0.2997**, and the grayscale version is **17.2915, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.1140, 0.5029, 0.3629**, and **10.3143, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.9659, 0.6241, 0.3378**, and if you desaturate by 10%, it is **27.1165, 0.5576, 0.3451**.

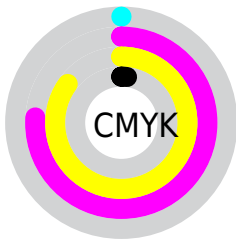
Distribution



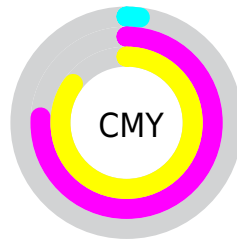
- Red (98%)
- Green (24%)
- Blue (15%)



- Red (98%)
- Yellow (25%)
- Blue (15%)



- Cyan (0%)
- Magenta (76%)
- Yellow (85%)
- Black (2%)




- Cyan (2%)
- Magenta (76%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9867, 0.5968, 0.3424 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 23.9867, 0.5968, 0.3424 by changing the saturation by 10% instead.


 23.9867, 0.5968,
0.3424


 23.9867, 0.5968,
0.3424


272.7532, 0.4485,
0.3549


 15.3238, 0.6303,
0.3314


 50.0085, 0.5443,
0.3527

 9.0469, 0.6716,
0.3143


 68.1361, 0.5239,
0.3548


 4.7718, 0.7158,
0.2842

 90.1875, 0.5065,
0.3559

 2.1140, 0.7636,
0.2364

 116.5469, 0.4915,
0.3563

 0.6725, 0.8349,
0.1651

 147.5988, 0.4785,
0.3562

 0.0000, 1.0000,
0.0000

 183.7275, 0.4672,

 0.0000, 0.0000,

0.3559

0.0000

225.3175, 0.4573,
0.3555

■ 23.9867, 0.5968,
0.3424

■ 23.9867, 0.5968,
0.3424

■ 21.9659, 0.6241,
0.3378

■ 27.1165, 0.5576,
0.3451


■ 21.3011, 0.6330,
0.3356

■ 31.4806, 0.5127,
0.3457


■ 37.1919, 0.4681,
0.3445


■ 44.3492, 0.4275,
0.3422

■ 53.0423, 0.3927,
0.3393

 63.3533, 0.3637,
0.3362

 75.3587, 0.3400,
0.3332

 89.1302, 0.3207,
0.3303

 99.2535, 0.3103,
0.3290

Harmonies

Analogous

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



23.9867, 0.5338, 0.2649



23.9867, 0.5968, 0.3424



23.9867, 0.5515, 0.4321

Triad

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



23.9867, 0.5968, 0.3424



23.9867, 0.2044, 0.5508



23.9867, 0.1438, 0.1325

Complementary

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



23.9867, 0.5968, 0.3424



62.8879, 0.2191, 0.2997

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.



23.9867, 0.1010, 0.1474



23.9867, 0.5968, 0.3424



23.9867, 0.1221, 0.3511

Square

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



23.9867, 0.5968, 0.3424



23.9867, 0.3230, 0.6196



23.9867, 0.0927, 0.2088



23.9867, 0.2339, 0.1492

Rectangle

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



23.9867, 0.5968, 0.3424



23.9867, 0.4859, 0.5036



23.9867, 0.0927, 0.2088



23.9867, 0.1251, 0.1336

Sweetspot

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



23.9882, 0.5968, 0.3424



65.4790, 0.3641, 0.3363



27.5967, 0.3433, 0.1731



13.1709, 0.3737, 0.3374



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.



23.9882, 0.5968, 0.3424



22.0674, 0.6331, 0.3355



47.8571, 0.4893, 0.4357



17.5264, 0.3291, 0.3316



11.2935, 0.6314, 0.3369



1.1418, 0.6152, 0.3497

Inverse Universe

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



62.8879, 0.2191, 0.2997



62.4268, 0.2150, 0.2940



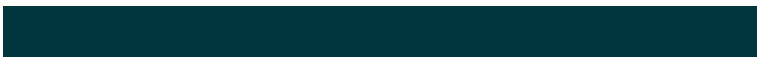
21.5952, 0.1796, 0.1531



19.2698, 0.2980, 0.3264



31.7932, 0.2152, 0.2947



3.0334, 0.2164, 0.2991

Previews

White Background



This preview shows how the Yxy color 23.9867, 0.5968, 0.3424 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 23.9867, 0.5968, 0.3424 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 23.9867, 0.5968, 0.3424

Background



This preview shows how black text looks on a background with the Yxy color 23.9867, 0.5968, 0.3424.



This preview shows how white text looks on a background with the Yxy color 23.9867, 0.5968, 0.3424.

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

23.9867, 0.5968, 0.3424

Protanopia

24.0975, 0.4120, 0.4522

Deuteranopia

23.9844, 0.4706, 0.4645



Tritanopia

24.0478, 0.5802, 0.3285

Trichromacy



Original Color

23.9867, 0.5968, 0.3424

Protanomaly

21.5117, 0.4928, 0.4014

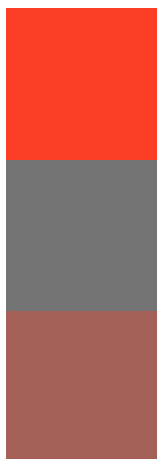
Deuteranomaly

22.0744, 0.5310, 0.4101

Tritanomaly

24.0713, 0.5874, 0.3340

Monochromacy



Original Color

23.9867, 0.5968, 0.3424

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

16.7651, 0.4308, 0.3420

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9867, 0.5968, 0.3424 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(251, 61, 38)` looks like.

```
.text, #text, p{  
    color:rgb(251, 61, 38)  
}
```

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(251, 61, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 61, 38) }
```

Border

The CSS property to change the border of an element to Yxy 23.9867, 0.5968, 0.3424 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(251, 61, 38) }
```

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

```
.border{ border-color:rgb(251, 61, 38) }
```

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

Here you see how a box with a 4 pixel rgb(251, 61, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 61, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 61, 38);  
box-shadow:4px 4px 4px 4px rgb(251, 61,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9867, 0.5968, 0.3424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 61, 38) }
```

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

```
.background{ background-color: rgb(251, 61,  
38) }
```

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