

Converting Colors

$Y_{xy}(24.6765, 0.6002, 0.3290)$

Have a look what the booklet for
Yxy(24.6765, 0.6002, 0.3290)
contains.

Yxy(23.5148, 0.5986, 0.3288)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(23.5148, 0.5986, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	FF2F31
RGB	255, 47, 49
RGB Percent	100%, 18%, 19%
CMY	0.0000, 0.8156, 0.8077
CMYK	0.00, 0.82, 0.81, 0.00
HSL	359°, 100%, 59%
HSV	359°, 82%, 100%
XYZ	42.8101, 23.5148, 5.1921
YIQ	109.4200, 123.3260, 44.7180

Conversions

Conversions Part 2

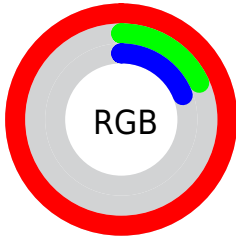
Format	Color
R_{YB}	255, 47, 49
Decimal	16723761
CIE Lab	55.60, 74.66, 50.92
CIE LCh	56, 90.368, 34.297
Yxy	23.5148, 0.5986, 0.3288
Android (android.graphics.Color)	4294913841 (0xFFFF2F31)
YUV	109.4200, -29.7871, 127.6737
Hunter-Lab	48.4921, 72.7235, 27.5962

Details

The Yxy color **23.5148, 0.5986, 0.3288** 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 **79.2122, 0.2285, 0.3312**, and the grayscale version is **15.4840, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.1577, 0.4998, 0.3455**, and **10.8254, 0.6384, 0.3291** is the 20% darker color. If you saturate the color by 10%, you get **21.8799, 0.6273, 0.3293**, and if you desaturate by 10%, it is **26.4605, 0.5565, 0.3284**.

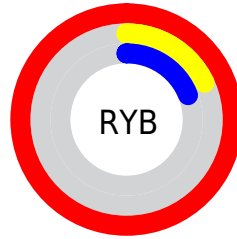
Distribution



Red (100%)

Green (18%)

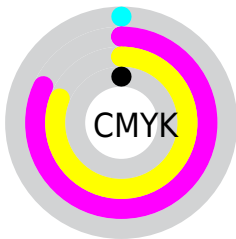
Blue (19%)



Red (100%)

Yellow (18%)

Blue (19%)

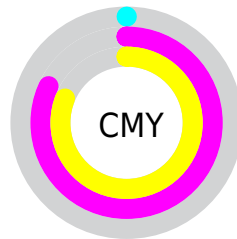


Cyan (0%)

Magenta (82%)

Yellow (81%)

Black (0%)



Cyan (0%)


Magenta (82%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5148, 0.5986, 0.3288 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 23.5148, 0.5986, 0.3288 by changing the saturation by 10% instead.


 23.5148, 0.5986,
0.3288


 23.5148, 0.5986,
0.3288


270.3582, 0.4473,
0.3467


 14.9741, 0.6341,
0.3172


 49.2373, 0.5441,
0.3405


 8.8012, 0.6765,
0.2987


 67.1878, 0.5233,
0.3433

 4.6117, 0.7298,
0.2702

 89.0437, 0.5056,
0.3450

 2.0213, 0.7791,
0.2209

 115.1895, 0.4904,
0.3460

 0.6198, 0.8528,
0.1472

 146.0094, 0.4774,
0.3466

 0.0000, 1.0000,
0.0000

 181.8879, 0.4660,

 0.0000, 0.0000,

0.3468

0.0000

223.2094, 0.4560,
0.3468

■ 23.5148, 0.5986,
0.3288

■ 23.5148, 0.5986,
0.3288

■ 21.8799, 0.6273,
0.3293

■ 26.4605, 0.5565,
0.3284

■ 21.2643, 0.6394,
0.3296

■ 30.9107, 0.5085,
0.3282


■ 37.0314, 0.4615,
0.3282

■ 44.9657, 0.4197,
0.3282

■ 54.8416, 0.3847,
0.3284

 66.7753, 0.3562,
0.3286

 80.8739, 0.3334,
0.3288

 97.2372, 0.3152,
0.3290

99.9989, 0.3127,
0.3290

Harmonies

Analogous

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



23.5148, 0.5164, 0.2519



23.5148, 0.5986, 0.3288



23.5148, 0.5661, 0.4161

Triad

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



23.5148, 0.5986, 0.3288



23.5148, 0.2198, 0.5796



23.5148, 0.1326, 0.1307

Complementary

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



23.5148, 0.5986, 0.3288



79.2122, 0.2285, 0.3312

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.



23.5148, 0.0957, 0.1513



23.5148, 0.5986, 0.3288



23.5148, 0.1290, 0.3824

Square

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



23.5148, 0.5986, 0.3288



23.5148, 0.3415, 0.6171



23.5148, 0.0924, 0.2231



23.5148, 0.2146, 0.1428

Rectangle

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



23.5148, 0.5986, 0.3288



23.5148, 0.5044, 0.4870



23.5148, 0.0924, 0.2231



23.5148, 0.1161, 0.1335

Sweetspot

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



23.5163, 0.5986, 0.3288



63.6672, 0.3626, 0.3285



29.8624, 0.3172, 0.1604



12.7050, 0.3726, 0.3285



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.



23.5163, 0.5986, 0.3288



21.3872, 0.6370, 0.3296



42.5018, 0.5079, 0.4130



17.9899, 0.3293, 0.3288



11.1129, 0.6391, 0.3294



1.0830, 0.6367, 0.3281

Inverse Universe

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



23.5163, 0.5986, 0.3288



21.3872, 0.6370, 0.3296



31.0938, 0.1917, 0.1932



17.9899, 0.3293, 0.3288



11.1129, 0.6391, 0.3294



1.0830, 0.6367, 0.3281

Previews

White Background



This preview shows how the Yxy color 23.5148, 0.5986, 0.3288 looks on a white background.

Color Contrast Check

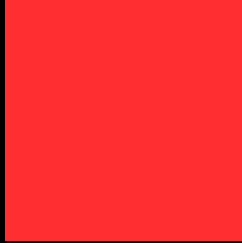
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5148, 0.5986, 0.3288 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 23.5148, 0.5986, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 23.5148, 0.5986, 0.3288.



This preview shows how white text looks on a background with the Yxy color 23.5148, 0.5986, 0.3288.

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

23.5148, 0.5986, 0.3288

Protanopia

23.7211, 0.3950, 0.4312

Deuteranopia

23.5973, 0.4602, 0.4530



Tritanopia

23.4983, 0.6004, 0.3299

Trichromacy



Original Color

23.5148, 0.5986, 0.3288

Protanomaly

20.3120, 0.4833, 0.3787

Deuteranomaly

21.1483, 0.5282, 0.3916

Tritanomaly

23.5064, 0.5995, 0.3293

Monochromacy



Original Color

23.5148, 0.5986, 0.3288

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

15.0251, 0.4352, 0.3278

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5148, 0.5986, 0.3288 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, 47, 49)` looks like.

```
.text, #text, p{  
    color:rgb(255, 47, 49)  
}
```

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, 47, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 47, 49) }
```

Border

The CSS property to change the border of an element to Yxy 23.5148, 0.5986, 0.3288 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, 47, 49) }
```

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

```
.border{ border-color:rgb(255, 47, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 47, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 47, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 47, 49);  
box-shadow:4px 4px 4px 4px rgb(255, 47,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5148, 0.5986, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 47, 49) }
```

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

```
.background{ background-color: rgb(255, 47,  
49) }
```

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