

Converting Colors

$Yxy(23.6221, 0.5894, 0.3235)$

Have a look what the booklet for
Yxy(23.6221, 0.5894, 0.3235)
contains.

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Color

Yxy(23.5985, 0.5901, 0.3237)

Conversions

Conversions Part 1

Format	Color
Hex	FF2F3A
RGB	255, 47, 58
RGB Percent	100%, 18%, 23%
CMY	0.0000, 0.8156, 0.7727
CMYK	0.00, 0.82, 0.77, 0.00
HSL	357°, 100%, 59%
HSV	357°, 82%, 100%
XYZ	43.0197, 23.5985, 6.2842
YIQ	110.4460, 120.4370, 47.5170

Conversions

Conversions Part 2

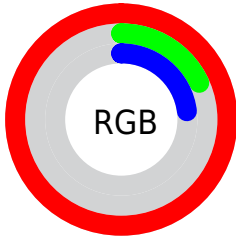
Format	Color
RYB	255, 47, 58
Decimal	16723770
CIELab	55.68, 74.91, 46.30
CIELCh	56, 88.069, 31.719
Yxy	23.5985, 0.5901, 0.3237
Android (android.graphics.Color)	4294913850 (0xFFFF2F3A)
YUV	110.4460, -25.8559, 126.7739
Hunter-Lab	48.5783, 73.0630, 26.3349

Details

The Yxy color **23.5985, 0.5901, 0.3237** 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 **78.6607, 0.2317, 0.3421**, and the grayscale version is **15.7797, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.3352, 0.4896, 0.3372**, and **10.8505, 0.6323, 0.3257** is the 20% darker color. If you saturate the color by 10%, you get **21.9300, 0.6215, 0.3260**, and if you desaturate by 10%, it is **26.5734, 0.5472, 0.3223**.

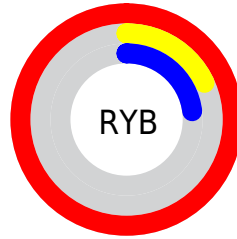
Distribution



Red (100%)

Green (18%)

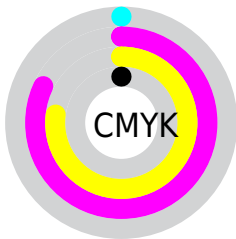
Blue (23%)



Red (100%)

Yellow (18%)

Blue (23%)

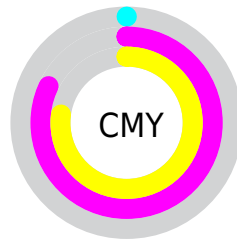


Cyan (0%)

Magenta (82%)

Yellow (77%)

Black (0%)



Cyan (0%)


Magenta (82%)


Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5985, 0.5901, 0.3237 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 23.5985, 0.5901, 0.3237 by changing the saturation by 10% instead.


 23.5985, 0.5901,
0.3237


 23.5985, 0.5901,
0.3237


270.7843, 0.4418,
0.3422


 15.0361, 0.6260,
0.3127


 49.3742, 0.5360,
0.3350


 8.8447, 0.6693,
0.2951


 67.3563, 0.5155,
0.3379


 4.6400, 0.7300,
0.2700

 89.2470, 0.4983,
0.3397


 2.0376, 0.7792,
0.2208

 115.4308, 0.4835,
0.3408

 0.6292, 0.8523,
0.1477

 146.2920, 0.4709,
0.3415

 0.0000, 1.0000,
0.0000


 182.2151, 0.4599,


 0.0000, 0.0000,


0.3419


0.0000


223.5844, 0.4503,
0.3421


 23.5985, 0.5901,
0.3237


 23.5985, 0.5901,
0.3237


 21.9300, 0.6215,
0.3260


 26.5734, 0.5472,
0.3223

 21.2901, 0.6363,
0.3279

 31.0458, 0.5001,
0.3219

 37.1792, 0.4548,
0.3224

 45.1148, 0.4149,
0.3235

 54.9789, 0.3815,
0.3248

66.8864, 0.3543,
0.3261

80.9432, 0.3325,
0.3275

97.2478, 0.3151,
0.3288

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



23.5985, 0.4995, 0.2477



23.5985, 0.5901, 0.3237



23.5985, 0.5682, 0.4088

Triad

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



23.5985, 0.5901, 0.3237



23.5985, 0.2328, 0.5828



23.5985, 0.1310, 0.1344

Complementary

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



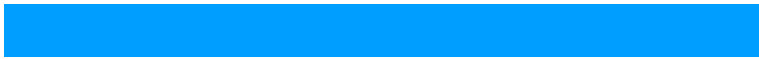
23.5985, 0.5901, 0.3237



78.6607, 0.2317, 0.3421

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.



23.5985, 0.0975, 0.1585



23.5985, 0.5901, 0.3237



23.5985, 0.1386, 0.3988

Square

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



23.5985, 0.5901, 0.3237



23.5985, 0.3538, 0.6059



23.5985, 0.0974, 0.2358



23.5985, 0.2077, 0.1438

Rectangle

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



23.5985, 0.5901, 0.3237



23.5985, 0.5110, 0.4765



23.5985, 0.0974, 0.2358



23.5985, 0.1158, 0.1382

Sweetspot

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



23.5998, 0.5901, 0.3237



63.7866, 0.3604, 0.3258



27.9793, 0.3069, 0.1550



12.7326, 0.3700, 0.3253



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.



23.5998, 0.5901, 0.3237



21.4152, 0.6336, 0.3277



39.3982, 0.5189, 0.4031



18.0025, 0.3286, 0.3278



11.1308, 0.6348, 0.3271



1.0890, 0.6224, 0.3203

Inverse Universe

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



23.5998, 0.5901, 0.3237



21.4152, 0.6336, 0.3277



34.6905, 0.1956, 0.2078



18.0025, 0.3286, 0.3278



11.1308, 0.6348, 0.3271



1.0890, 0.6224, 0.3203

Previews

White Background



This preview shows how the Yxy color 23.5985, 0.5901, 0.3237 looks on a white background.

Color Contrast Check

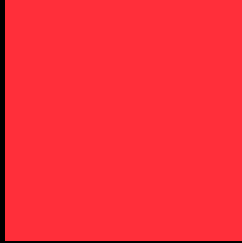
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5985, 0.5901, 0.3237 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 23.5985, 0.5901, 0.3237

Background



This preview shows how black text looks on a background with the Yxy color 23.5985, 0.5901, 0.3237.



This preview shows how white text looks on a background with the Yxy color 23.5985, 0.5901, 0.3237.

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

23.5985, 0.5901, 0.3237

Protanopia

23.8013, 0.3816, 0.4132

Deuteranopia

23.5687, 0.4512, 0.4438



Tritanopia

23.6700, 0.5984, 0.3304

Trichromacy



Original Color

23.5985, 0.5901, 0.3237

Protanomaly

20.4498, 0.4696, 0.3656

Deuteranomaly

21.0909, 0.5182, 0.3841

Tritanomaly

23.6218, 0.5954, 0.3277

Monochromacy



Original Color

23.5985, 0.5901, 0.3237

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.3583, 0.4291, 0.3230

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5985, 0.5901, 0.3237 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, 58)` looks like.

```
.text, #text, p{  
    color:rgb(255, 47, 58)  
}
```

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, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 47, 58) }
```

Border

The CSS property to change the border of an element to Yxy 23.5985, 0.5901, 0.3237 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, 58) }
```

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

```
.border{ border-color:rgb(255, 47, 58) }
```

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, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 47, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 47, 58);  
box-shadow:4px 4px 4px 4px rgb(255, 47,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5985, 0.5901, 0.3237 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, 58) }
```

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

```
.background{ background-color: rgb(255, 47,  
58) }
```

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](#).

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