

Converting Colors

$Yxy(23.3344, 0.5666, 0.3043)$

Have a look what the booklet for
Yxy(23.3344, 0.5666, 0.3043)
contains.

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Color

Yxy(23.3568, 0.5671, 0.3049)

Conversions

Conversions Part 1

Format	Color
Hex	FF2850
RGB	255, 40, 80
RGB Percent	100%, 16%, 31%
CMY	0.0001, 0.8429, 0.6863
CMYK	0.00, 0.84, 0.69, 0.00
HSL	349°, 100%, 58%
HSV	349°, 84%, 100%
XYZ	43.4426, 23.3568, 9.8054
YIQ	108.8450, 115.3000, 58.0200

Conversions

Conversions Part 2

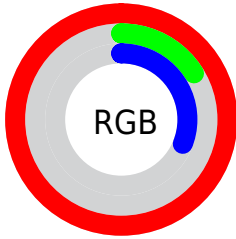
Format	Color
R_{YB}	255, 40, 80
Decimal	16722000
CIE Lab	55.44, 77.23, 33.52
CIE LCh	55, 84.189, 23.465
Yxy	23.3568, 0.5671, 0.3049
Android (android.graphics.Color)	4294912080 (0xFFFF2850)
YUV	108.8450, -14.2206, 128.1779
Hunter-Lab	48.3289, 75.8772, 21.8009

Details

The Yxy color **23.3568, 0.5671, 0.3049** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **76.8727, 0.2417, 0.3799**, and the grayscale version is **15.2726, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.2139, 0.4635, 0.3116**, and **11.0745, 0.6106, 0.3137** is the 20% darker color. If you saturate the color by 10%, you get **21.9049, 0.6004, 0.3117**, and if you desaturate by 10%, it is **26.0376, 0.5265, 0.3013**.

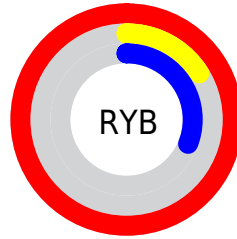
Distribution



Red (100%)

Green (16%)

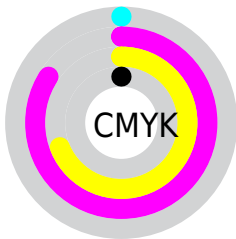
Blue (31%)



Red (100%)

Yellow (16%)

Blue (31%)

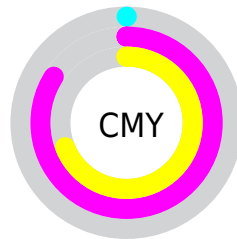


Cyan (0%)

Magenta (84%)

Yellow (69%)

Black (0%)



Cyan (0%)


Magenta (84%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.3568, 0.5671, 0.3049 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 23.3568, 0.5671, 0.3049 by changing the saturation by 10% instead.


 23.3568, 0.5671,
0.3049


 23.3568, 0.5671,
0.3049


269.5523, 0.4281,
0.3285


 14.8572, 0.6031,
0.2945


 48.9785, 0.5149,
0.3167


 8.7192, 0.6486,
0.2784


 66.8694, 0.4957,
0.3202


 4.5585, 0.7068,
0.2531

 88.6596, 0.4797,
0.3227

 1.9906, 0.7862,
0.2138

 114.7333, 0.4661,
0.3245

 0.6020, 0.8604,
0.1396

 145.4751, 0.4545,
0.3259

 0.0000, 1.0000,
0.0000

181.2692, 0.4445,

 0.0000, 0.0000,

0.3270

0.0000

222.5002, 0.4358,
0.3278

■ 23.3568, 0.5671,
0.3049

■ 23.3568, 0.5671,
0.3049

■ 21.9049, 0.6004,
0.3117

■ 26.0376, 0.5265,
0.3013

■ 21.4654, 0.6150,
0.3162

■ 30.1432, 0.4840,
0.3011

■ 35.8390, 0.4440,
0.3034

■ 43.2667, 0.4086,
0.3073

■ 52.5519, 0.3789,
0.3121

63.8089, 0.3544,
0.3172

77.1425, 0.3346,
0.3223

92.6501, 0.3186,
0.3271

99.9972, 0.3127,
0.3290

Harmonies

Analogous

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



23.3568, 0.4527, 0.2316



23.3568, 0.5671, 0.3049



23.3568, 0.5760, 0.3855

Triad

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



23.3568, 0.5671, 0.3049



23.3568, 0.2690, 0.5957



23.3568, 0.1232, 0.1425

Complementary

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



23.3568, 0.5671, 0.3049



76.8727, 0.2417, 0.3799

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.



23.3568, 0.0995, 0.1784



23.3568, 0.5671, 0.3049



23.3568, 0.1653, 0.4502

Square

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



23.3568, 0.5671, 0.3049



23.3568, 0.3890, 0.5783



23.3568, 0.1098, 0.2746



23.3568, 0.1855, 0.1432

Rectangle

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



23.3568, 0.5671, 0.3049



23.3568, 0.5325, 0.4475



23.3568, 0.1098, 0.2746



23.3568, 0.1115, 0.1496

Sweetspot

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



23.3582, 0.5671, 0.3049



62.9469, 0.3560, 0.3169



22.7383, 0.2781, 0.1376



12.5880, 0.3641, 0.3151



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.



23.3582, 0.5671, 0.3049



21.4682, 0.6150, 0.3162



31.4209, 0.5573, 0.3756



18.0422, 0.3265, 0.3246



11.2333, 0.6116, 0.3143



1.1078, 0.5826, 0.2983

Inverse Universe

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



23.3582, 0.5671, 0.3049



21.4682, 0.6150, 0.3162



44.7195, 0.2042, 0.2438



18.0422, 0.3265, 0.3246



11.2333, 0.6116, 0.3143



1.1078, 0.5826, 0.2983

Previews

White Background



This preview shows how the Yxy color 23.3568, 0.5671, 0.3049 looks on a white background.

Color Contrast Check

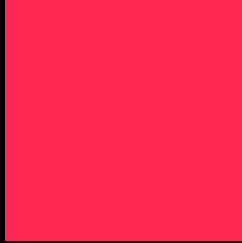
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.3568, 0.5671, 0.3049 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 23.3568, 0.5671, 0.3049

Background



This preview shows how black text looks on a background with the Yxy color 23.3568, 0.5671, 0.3049.



This preview shows how white text looks on a background with the Yxy color 23.3568, 0.5671, 0.3049.

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

23.3568, 0.5671, 0.3049

Protanopia

23.5654, 0.3416, 0.3620

Deuteranopia

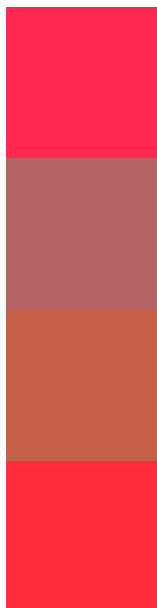
23.4886, 0.4262, 0.4182



Tritanopia

23.3900, 0.5995, 0.3304

Trichromacy



Original Color

23.3568, 0.5671, 0.3049

Protanomaly

19.8281, 0.4287, 0.3251

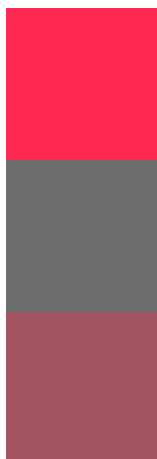
Deuteranomaly

20.5226, 0.4927, 0.3575

Tritanomaly

23.2634, 0.5897, 0.3220

Monochromacy



Original Color

23.3568, 0.5671, 0.3049

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

14.9039, 0.4177, 0.3070

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3568, 0.5671, 0.3049 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, 40, 80)` looks like.

```
.text, #text, p{  
    color:rgb(255, 40, 80)  
}
```

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, 40, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 40, 80) }
```

Border

The CSS property to change the border of an element to Yxy 23.3568, 0.5671, 0.3049 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, 40, 80) }
```

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

```
.border{ border-color:rgb(255, 40, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 40, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 40, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 40, 80);  
box-shadow:4px 4px 4px 4px rgb(255, 40,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3568, 0.5671, 0.3049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 40, 80) }
```

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

```
.background{ background-color: rgb(255, 40,  
80) }
```

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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