

Converting Colors

$Yxy(23.6754, 0.5749, 0.3186)$

Have a look what the booklet for
Yxy(23.6754, 0.5749, 0.3186)
contains.

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Color

Yxy(23.6800, 0.5749, 0.3183)

Conversions

Conversions Part 1

Format	Color
Hex	FD3345
RGB	253, 51, 69
RGB Percent	99%, 20%, 27%
CMY	0.0078, 0.8000, 0.7294
CMYK	0.00, 0.80, 0.73, 0.01
HSL	355°, 98%, 60%
HSV	355°, 80%, 99%
XYZ	42.7698, 23.6800, 7.9454
YIQ	113.4500, 114.6140, 48.4220

Conversions

Conversions Part 2

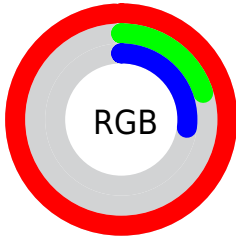
Format	Color
R_{YB}	253, 51, 69
Decimal	16593733
CIE _{Lab}	55.77, 73.81, 40.16
CIE _{LCh}	56, 84.032, 28.548
Yxy	23.6800, 0.5749, 0.3183
Android (android.graphics.Color)	4294783813 (0xFFFD3345)
YUV	113.4500, -21.9138, 122.3854
Hunter-Lab	48.6621, 71.7275, 24.3828

Details

The Yxy color **23.6800, 0.5749, 0.3183** 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 **76.9616, 0.2349, 0.3511**, and the grayscale version is **16.6936, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.0588, 0.4741, 0.3275**, and **10.7616, 0.6230, 0.3206** is the 20% darker color. If you saturate the color by 10%, you get **21.8071, 0.6103, 0.3217**, and if you desaturate by 10%, it is **26.8675, 0.5309, 0.3166**.

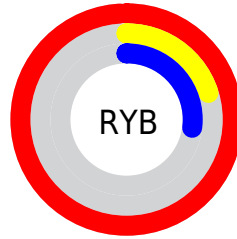
Distribution



Red (99%)

Green (20%)

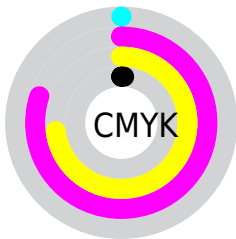
Blue (27%)



Red (99%)

Yellow (20%)

Blue (27%)

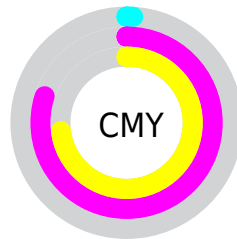


Cyan (0%)

Magenta (80%)

Yellow (73%)

Black (1%)



Cyan (1%)


Magenta (80%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.6800, 0.5749, 0.3183 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 23.6800, 0.5749, 0.3183 by changing the saturation by 10% instead.


 23.6800, 0.5749,
0.3183


 23.6800, 0.5749,
0.3183


271.1987, 0.4330,
0.3369


 15.0964, 0.6106,
0.3083


 49.5075, 0.5223,
0.3289

 8.8871, 0.6548,
0.2923


 67.5202, 0.5027,
0.3317

 4.6676, 0.7147,
0.2682

 89.4447, 0.4863,
0.3336

 2.0536, 0.7760,
0.2240

 115.6655, 0.4723,
0.3348

 0.6383, 0.8487,
0.1513

 146.5669, 0.4604,
0.3357

 0.0000, 1.0000,
0.0000

182.5333, 0.4500,

 0.0000, 0.0000,

0.3363

0.0000

223.9491, 0.4410,
0.3367

■ 23.6800, 0.5749,
0.3183

■ 23.6800, 0.5749,
0.3183

■ 21.8071, 0.6103,
0.3217

■ 26.8675, 0.5309,
0.3166

■ 20.9551, 0.6322,
0.3257

■ 31.5475, 0.4849,
0.3166

■ 20.9453, 0.6324,
0.3258

■ 37.8750, 0.4420,
0.3178

■ 45.9841, 0.4048,
0.3197

■ 55.9956, 0.3739,
0.3221

68.0193, 0.3488,
0.3245

82.1569, 0.3286,
0.3268

98.5032, 0.3125,
0.3290

99.6253, 0.3115,
0.3290

Harmonies

Analogous

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



23.6800, 0.4766, 0.2439



23.6800, 0.5749, 0.3183



23.6800, 0.5668, 0.4007

Triad

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



23.6800, 0.5749, 0.3183



23.6800, 0.2500, 0.5800



23.6800, 0.1314, 0.1412

Complementary

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



23.6800, 0.5749, 0.3183



76.9616, 0.2349, 0.3511

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.



23.6800, 0.1020, 0.1698



23.6800, 0.5749, 0.3183



23.6800, 0.1530, 0.4165

Square

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



23.6800, 0.5749, 0.3183



23.6800, 0.3689, 0.5890



23.6800, 0.1062, 0.2532



23.6800, 0.2015, 0.1470

Rectangle

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



23.6800, 0.5749, 0.3183



23.6800, 0.5167, 0.4644



23.6800, 0.1062, 0.2532



23.6800, 0.1177, 0.1463

Sweetspot

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



23.6814, 0.5749, 0.3183



63.8899, 0.3586, 0.3235



26.7512, 0.3005, 0.1533



12.7567, 0.3677, 0.3226



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.



23.6814, 0.5749, 0.3183



21.5858, 0.6254, 0.3244



37.5721, 0.5210, 0.3968



18.0133, 0.3280, 0.3269



11.1494, 0.6304, 0.3247



1.0941, 0.6109, 0.3139

Inverse Universe

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



23.6814, 0.5749, 0.3183



21.5858, 0.6254, 0.3244



37.3788, 0.1998, 0.2203



18.0133, 0.3280, 0.3269



11.1494, 0.6304, 0.3247



1.0941, 0.6109, 0.3139

Previews

White Background



This preview shows how the Yxy color 23.6800, 0.5749, 0.3183 looks on a white background.

Color Contrast Check

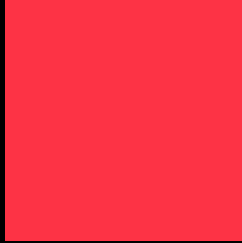
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6800, 0.5749, 0.3183 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 23.6800, 0.5749, 0.3183

Background



This preview shows how black text looks on a background with the Yxy color 23.6800, 0.5749, 0.3183.



This preview shows how white text looks on a background with the Yxy color 23.6800, 0.5749, 0.3183.

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

23.6800, 0.5749, 0.3183

Protanopia

23.8426, 0.3651, 0.3923

Deuteranopia

23.5811, 0.4390, 0.4304



Tritanopia

23.7873, 0.5892, 0.3298

Trichromacy



Original Color

23.6800, 0.5749, 0.3183

Protanomaly

20.7791, 0.4492, 0.3531

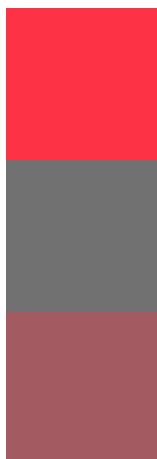
Deuteranomaly

21.2664, 0.5028, 0.3739

Tritanomaly

23.7446, 0.5848, 0.3262

Monochromacy



Original Color

23.6800, 0.5749, 0.3183

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.0679, 0.4184, 0.3182

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6800, 0.5749, 0.3183 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(253, 51, 69)` looks like.

```
.text, #text, p{  
    color:rgb(253, 51, 69)  
}
```

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(253, 51, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 51, 69) }
```

Border

The CSS property to change the border of an element to Yxy 23.6800, 0.5749, 0.3183 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(253, 51, 69) }
```

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

```
.border{ border-color:rgb(253, 51, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 51, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 51, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 51, 69);  
box-shadow:4px 4px 4px 4px rgb(253, 51,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6800, 0.5749, 0.3183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 51, 69) }
```

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

```
.background{ background-color: rgb(253, 51,  
69) }
```

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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