

Converting Colors

$Yxy(23.3579, 0.5856, 0.3179)$

Have a look what the booklet for
Yxy(23.3579, 0.5856, 0.3179)
contains.

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Color

Yxy(23.3579, 0.5856, 0.3179)

Conversions

Conversions Part 1

Format	Color
Hex	FF2B40
RGB	255, 43, 64
RGB Percent	100%, 17%, 25%
CMY	0.0000, 0.8312, 0.7490
CMYK	0.00, 0.83, 0.75, 0.00
HSL	354°, 100%, 58%
HSV	354°, 83%, 100%
XYZ	43.0273, 23.3579, 7.0904
YIQ	108.7820, 119.6110, 51.4750

Conversions

Conversions Part 2

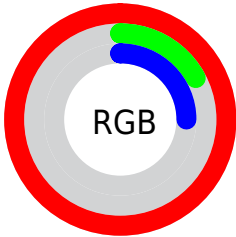
Format	Color
RYB	255, 43, 64
Decimal	16722752
CIELab	55.44, 75.99, 42.71
CIELCh	55, 87.170, 29.336
Yxy	23.3579, 0.5856, 0.3179
Android (android.graphics.Color)	4294912832 (0xFFFF2B40)
YUV	108.7820, -22.0775, 128.2332
Hunter-Lab	48.3300, 74.3378, 25.1327

Details

The Yxy color **23.3579, 0.5856, 0.3179** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **77.9723, 0.2348, 0.3548**, and the grayscale version is **15.2720, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.0182, 0.4839, 0.3295**, and **10.8730, 0.6269, 0.3227** is the 20% darker color. If you saturate the color by 10%, you get **21.8367, 0.6173, 0.3221**, and if you desaturate by 10%, it is **26.1460, 0.5436, 0.3154**.

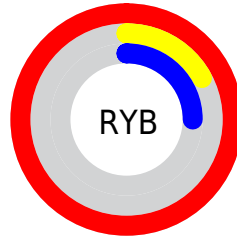
Distribution



Red (100%)

Green (17%)

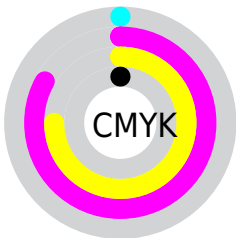
Blue (25%)



Red (100%)

Yellow (17%)

Blue (25%)

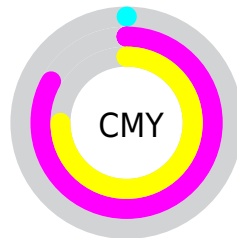


Cyan (0%)

Magenta (83%)

Yellow (75%)

Black (0%)



Cyan (0%)


Magenta (83%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3579, 0.5856, 0.3179 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 23.3579, 0.5856, 0.3179 by changing the saturation by 10% instead.


 23.3579, 0.5856,
0.3179


 23.3579, 0.5856,
0.3179

269.5579, 0.4385,
0.3381


 14.8580, 0.6219,
0.3070


 48.9803, 0.5315,
0.3295


 8.7198, 0.6664,
0.2896


 66.8717, 0.5111,
0.3325


 4.5589, 0.7301,
0.2652


 88.6622, 0.4941,
0.3346

 1.9908, 0.7833,
0.2167

 114.7365, 0.4795,
0.3359

 0.6021, 0.8578,
0.1422

 145.4788, 0.4671,
0.3369

 0.0000, 1.0000,
0.0000

 181.2735, 0.4563,

 0.0000, 0.0000,

0.3375

0.0000

222.5051, 0.4469,
0.3379

■ 23.3579, 0.5856,
0.3179

■ 23.3579, 0.5856,
0.3179

■ 21.8367, 0.6173,
0.3221

■ 26.1460, 0.5436,
0.3154

■ 21.3297, 0.6312,
0.3251


■ 30.3956, 0.4979,
0.3149

■ 36.2721, 0.4540,
0.3159

■ 43.9178, 0.4152,
0.3179

■ 53.4595, 0.3826,
0.3204

 65.0123, 0.3560,
0.3231

 78.6819, 0.3345,
0.3258

 94.5671, 0.3173,
0.3283

99.9986, 0.3127,
0.3290

Harmonies

Analogous

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



23.3579, 0.4869, 0.2425



23.3579, 0.5856, 0.3179



23.3579, 0.5721, 0.4017

Triad

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



23.3579, 0.5856, 0.3179



23.3579, 0.2427, 0.5897



23.3579, 0.1278, 0.1358

Complementary

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



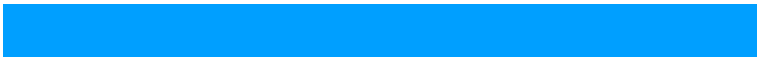
23.3579, 0.5856, 0.3179



77.9723, 0.2348, 0.3548

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.



23.3579, 0.0971, 0.1632



23.3579, 0.5856, 0.3179



23.3579, 0.1452, 0.4145

Square

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



23.3579, 0.5856, 0.3179



23.3579, 0.3640, 0.5993



23.3579, 0.0999, 0.2460



23.3579, 0.2003, 0.1427

Rectangle

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



23.3579, 0.5856, 0.3179



23.3579, 0.5183, 0.4678



23.3579, 0.0999, 0.2460



23.3579, 0.1137, 0.1405

Sweetspot

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



23.3593, 0.5856, 0.3179



62.6873, 0.3606, 0.3226



26.4083, 0.2997, 0.1500



12.5278, 0.3697, 0.3217



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.



23.3593, 0.5856, 0.3179



21.3311, 0.6312, 0.3251



36.8250, 0.5309, 0.3960



18.0162, 0.3279, 0.3267



11.1555, 0.6290, 0.3239



1.0954, 0.6079, 0.3123

Inverse Universe

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



23.3593, 0.5856, 0.3179



21.3311, 0.6312, 0.3251



36.5628, 0.1969, 0.2152



18.0162, 0.3279, 0.3267



11.1555, 0.6290, 0.3239



1.0954, 0.6079, 0.3123

Previews

White Background



This preview shows how the Yxy color 23.3579, 0.5856, 0.3179 looks on a white background.

Color Contrast Check

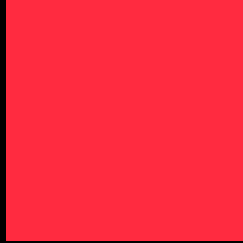
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.3579, 0.5856, 0.3179 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 23.3579, 0.5856, 0.3179

Background



This preview shows how black text looks on a background with the Yxy color 23.3579, 0.5856, 0.3179.



This preview shows how white text looks on a background with the Yxy color 23.3579, 0.5856, 0.3179.

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

23.3579, 0.5856, 0.3179

Protanopia

23.4771, 0.3711, 0.3992

Deuteranopia

23.5160, 0.4449, 0.4379



Tritanopia

23.4903, 0.6012, 0.3304

Trichromacy



Original Color

23.3579, 0.5856, 0.3179

Protanomaly

19.9139, 0.4597, 0.3542

Deuteranomaly

20.6473, 0.5127, 0.3759

Tritanomaly

23.4710, 0.5955, 0.3261

Monochromacy



Original Color

23.3579, 0.5856, 0.3179

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

14.9687, 0.4257, 0.3166

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3579, 0.5856, 0.3179 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, 43, 64)` looks like.

```
.text, #text, p{  
  color:rgb(255, 43, 64)  
}
```

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, 43, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 43, 64) }
```

Border

The CSS property to change the border of an element to Yxy 23.3579, 0.5856, 0.3179 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, 43, 64) }
```

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

```
.border{ border-color:rgb(255, 43, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 43, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 43, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 43, 64);  
box-shadow:4px 4px 4px 4px rgb(255, 43,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3579, 0.5856, 0.3179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 43, 64) }
```

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

```
.background{ background-color: rgb(255, 43,  
64) }
```

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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