

Converting Colors

$Y_{xy}(23.9124, 0.5726, 0.3160)$

Have a look what the booklet for
Yxy(23.9124, 0.5726, 0.3160)
contains.

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Color

Yxy(23.8199, 0.5723, 0.3157)

Conversions

Conversions Part 1

Format	Color
Hex	FE3248
RGB	254, 50, 72
RGB Percent	100%, 20%, 28%
CMY	0.0040, 0.8038, 0.7177
CMYK	0.00, 0.80, 0.72, 0.00
HSL	354°, 99%, 60%
HSV	354°, 80%, 100%
XYZ	43.1806, 23.8199, 8.4505
YIQ	113.5040, 114.5220, 50.0900

Conversions

Conversions Part 2

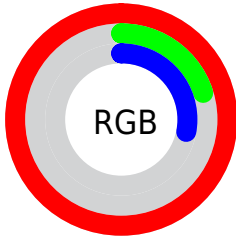
Format	Color
RYB	254, 50, 72
Decimal	16659016
CIELab	55.91, 74.43, 38.67
CIElCh	56, 83.874, 27.452
Yxy	23.8199, 0.5723, 0.3157
Android (android.graphics.Color)	4294849096 (0xFFFE3248)
YUV	113.5040, -20.4615, 123.2150
Hunter-Lab	48.8056, 72.5175, 23.8981

Details

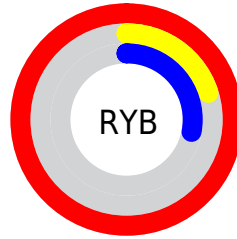
The Yxy color **23.8199, 0.5723, 0.3157** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **77.3853, 0.2362, 0.3561**, and the grayscale version is **16.7133, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.1313, 0.4705, 0.3245**, and **10.9027, 0.6200, 0.3189** is the 20% darker color. If you saturate the color by 10%, you get **21.9735, 0.6078, 0.3197**, and if you desaturate by 10%, it is **26.9808, 0.5287, 0.3137**.

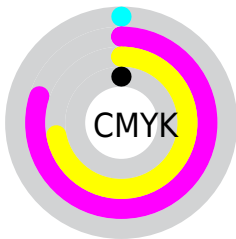
Distribution



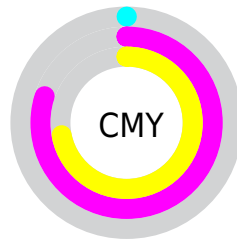
- Red (100%)
- Green (20%)
- Blue (28%)



- Red (100%)
- Yellow (20%)
- Blue (28%)



- Cyan (0%)
- Magenta (80%)
- Yellow (72%)
- Black (0%)





- Cyan (0%)
- Magenta (80%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.8199, 0.5723, 0.3157 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 23.8199, 0.5723, 0.3157 by changing the saturation by 10% instead.


 23.8199, 0.5723,
0.3157


 23.8199, 0.5723,
0.3157


271.9087, 0.4316,
0.3351


 15.2001, 0.6079,
0.3057


 49.7361, 0.5200,
0.3264

 8.9599, 0.6522,
0.2899


 67.8014, 0.5006,
0.3293


 4.7151, 0.7108,
0.2656

 89.7838, 0.4843,
0.3313

 2.0811, 0.7768,
0.2232

 116.0679, 0.4705,
0.3327

 0.6539, 0.8484,
0.1516

 147.0381, 0.4587,
0.3336

 0.0000, 1.0000,
0.0000

183.0786, 0.4484,

 0.0000, 0.0000,

0.3343

0.0000

224.5741, 0.4395,
0.3348

■ 23.8199, 0.5723,
0.3157

■ 23.8199, 0.5723,
0.3157

■ 21.9735, 0.6078,
0.3197

■ 26.9808, 0.5287,
0.3137

■ 21.1497, 0.6300,
0.3244


■ 31.6368, 0.4833,
0.3137


■ 37.9444, 0.4411,
0.3152

■ 46.0393, 0.4044,
0.3176

■ 56.0433, 0.3739,
0.3205

 68.0672, 0.3491,
0.3234

 82.2136, 0.3291,
0.3263

 98.5781, 0.3131,
0.3289

99.8090, 0.3121,
0.3290

Harmonies

Analogous

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



23.8199, 0.4708, 0.2416



23.8199, 0.5723, 0.3157



23.8199, 0.5681, 0.3976

Triad

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



23.8199, 0.5723, 0.3157



23.8199, 0.2545, 0.5823



23.8199, 0.1302, 0.1420

Complementary

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



23.8199, 0.5723, 0.3157



77.3853, 0.2362, 0.3561

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.



23.8199, 0.1021, 0.1722



23.8199, 0.5723, 0.3157



23.8199, 0.1563, 0.4232

Square

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



23.8199, 0.5723, 0.3157



23.8199, 0.3734, 0.5859



23.8199, 0.1076, 0.2580



23.8199, 0.1984, 0.1467

Rectangle

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



23.8199, 0.5723, 0.3157



23.8199, 0.5197, 0.4607



23.8199, 0.1076, 0.2580



23.8199, 0.1169, 0.1476

Sweetspot

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



23.8214, 0.5723, 0.3157



63.9428, 0.3577, 0.3223



26.2952, 0.2971, 0.1510



12.7690, 0.3666, 0.3213



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.



23.8214, 0.5723, 0.3157



21.6121, 0.6223, 0.3227



36.7957, 0.5260, 0.3934



18.0188, 0.3277, 0.3265



11.1614, 0.6276, 0.3231



1.0967, 0.6053, 0.3108

Inverse Universe

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



23.8214, 0.5723, 0.3157



21.6121, 0.6223, 0.3227



38.8102, 0.2006, 0.2244



18.0188, 0.3277, 0.3265



11.1614, 0.6276, 0.3231



1.0967, 0.6053, 0.3108

Previews

White Background



This preview shows how the Yxy color 23.8199, 0.5723, 0.3157 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 23.8199, 0.5723, 0.3157 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 23.8199, 0.5723, 0.3157

Background



This preview shows how black text looks on a background with the Yxy color 23.8199, 0.5723, 0.3157.



This preview shows how white text looks on a background with the Yxy color 23.8199, 0.5723, 0.3157.

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

23.8199, 0.5723, 0.3157

Protanopia

23.9191, 0.3606, 0.3855

Deuteranopia

23.8716, 0.4353, 0.4283



Tritanopia

23.6952, 0.5898, 0.3292

Trichromacy



Original Color

23.8199, 0.5723, 0.3157

Protanomaly

20.6290, 0.4459, 0.3476

Deuteranomaly

21.4903, 0.4983, 0.3722

Tritanomaly

23.6756, 0.5833, 0.3243

Monochromacy



Original Color

23.8199, 0.5723, 0.3157

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.3824, 0.4159, 0.3167

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8199, 0.5723, 0.3157 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(254, 50, 72)` looks like.

```
.text, #text, p{  
    color:rgb(254, 50, 72)  
}
```

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(254, 50, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 50, 72) }
```

Border

The CSS property to change the border of an element to Yxy 23.8199, 0.5723, 0.3157 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(254, 50, 72) }
```

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

```
.border{ border-color:rgb(254, 50, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 50, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 50, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 50, 72);  
box-shadow:4px 4px 4px 4px rgb(254, 50,  
72) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 23.8199, 0.5723, 0.3157$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 50, 72) }
```

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

```
.background{ background-color: rgb(254, 50,  
72) }
```

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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