

Converting Colors

$Y_{xy}(23.8752, 0.5937, 0.3293)$

Have a look what the booklet for
Yxy(23.8752, 0.5937, 0.3293)
contains.

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Color

Yxy(23.8756, 0.5936, 0.3293)

Conversions

Conversions Part 1

Format	Color
Hex	FF3334
RGB	255, 51, 52
RGB Percent	100%, 20%, 20%
CMY	0.0001, 0.7998, 0.7960
CMYK	0.00, 0.80, 0.80, 0.00
HSL	360°, 100%, 60%
HSV	360°, 80%, 100%
XYZ	43.0384, 23.8756, 5.5901
YIQ	112.1100, 121.2630, 43.5590

Conversions

Conversions Part 2

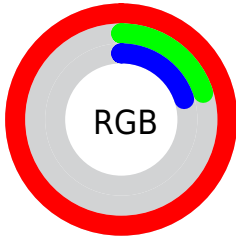
Format	Color
R_{YB}	255, 51, 52
Decimal	16724788
CIE _{Lab}	55.96, 73.77, 49.74
CIE _{LCh}	56, 88.969, 33.992
Yxy	23.8756, 0.5936, 0.3293
Android (android.graphics.Color)	4294914868 (0xFFFF3334)
YUV	112.1100, -29.6342, 125.3145
Hunter-Lab	48.8627, 71.7139, 27.4209

Details

The Yxy color **23.8756, 0.5936, 0.3293** 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 **79.3698, 0.2287, 0.3299**, and the grayscale version is **16.3083, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.6709, 0.4950, 0.3447**, and **10.8320, 0.6368, 0.3282** is the 20% darker color. If you saturate the color by 10%, you get **22.0531, 0.6245, 0.3296**, and if you desaturate by 10%, it is **27.0436, 0.5501, 0.3291**.

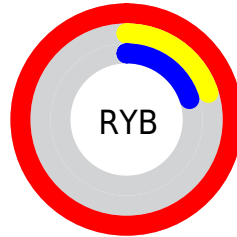
Distribution



Red (100%)

Green (20%)

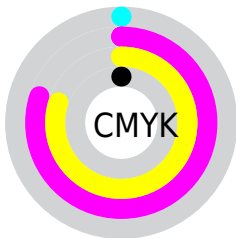
Blue (20%)



Red (100%)

Yellow (20%)

Blue (20%)

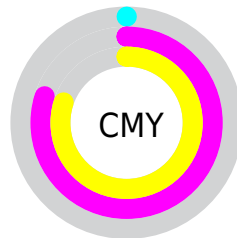


Cyan (0%)

Magenta (80%)

Yellow (80%)

Black (0%)



Cyan (0%)

Magenta (80%)

Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8756, 0.5936, 0.3293 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 23.8756, 0.5936, 0.3293 by changing the saturation by 10% instead.


 23.8756, 0.5936,
0.3293


 23.8756, 0.5936,
0.3293


272.1910, 0.4447,
0.3461


 15.2414, 0.6288,
0.3183


 49.8271, 0.5398,
0.3404

 8.9890, 0.6709,
0.3005


 67.9132, 0.5193,
0.3430

 4.7340, 0.7262,
0.2738


 89.9187, 0.5019,
0.3446

 2.0920, 0.7748,
0.2252

 116.2280, 0.4870,
0.3456

 0.6601, 0.8462,
0.1538

 147.2254, 0.4742,
0.3461

 0.0000, 1.0000,
0.0000

 183.2955, 0.4630,

 0.0000, 0.0000,


0.3463


0.0000


224.8225, 0.4533,
0.3463

 23.8756, 0.5936,
0.3293


 23.8756, 0.5936,
0.3293


 22.0531, 0.6245,
0.3296


 27.0436, 0.5501,
0.3291

 21.2602, 0.6397,
0.3298

 31.7446, 0.5017,
0.3289

 21.2587, 0.6397,
0.3298

 38.1409, 0.4552,
0.3288

 46.3731, 0.4143,
0.3288

 56.5672, 0.3801,
0.3288

■ 68.8381, 0.3524,
0.3289

■ 83.2918, 0.3303,
0.3289

99.9961, 0.3127,
0.3290

Harmonies

Analogous

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



23.8756, 0.5112, 0.2528



23.8756, 0.5936, 0.3293



23.8756, 0.5639, 0.4158

Triad

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



23.8756, 0.5936, 0.3293



23.8756, 0.2234, 0.5749



23.8756, 0.1344, 0.1333

Complementary

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



23.8756, 0.5936, 0.3293



79.3698, 0.2287, 0.3299

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.



23.8756, 0.0980, 0.1544



23.8756, 0.5936, 0.3293



23.8756, 0.1327, 0.3837

Square

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



23.8756, 0.5936, 0.3293



23.8756, 0.3441, 0.6115



23.8756, 0.0953, 0.2265



23.8756, 0.2152, 0.1449

Rectangle

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



23.8756, 0.5936, 0.3293



23.8756, 0.5037, 0.4849



23.8756, 0.0953, 0.2265



23.8756, 0.1181, 0.1362

Sweetspot

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



23.8771, 0.5936, 0.3293



63.6535, 0.3629, 0.3289



30.2089, 0.3172, 0.1618



12.7018, 0.3729, 0.3288



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.



23.8771, 0.5936, 0.3293



21.5064, 0.6350, 0.3298



43.1877, 0.5038, 0.4130



17.9885, 0.3294, 0.3289



11.1108, 0.6396, 0.3297



1.0823, 0.6385, 0.3291

Inverse Universe

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



23.8771, 0.5936, 0.3293



21.5064, 0.6350, 0.3298



31.8417, 0.1933, 0.1962



17.9885, 0.3294, 0.3289



11.1108, 0.6396, 0.3297



1.0823, 0.6385, 0.3291

Previews

White Background



This preview shows how the Yxy color 23.8756, 0.5936, 0.3293 looks on a white background.

Color Contrast Check

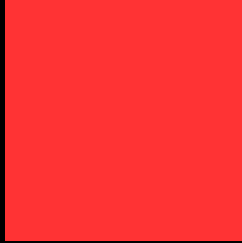
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8756, 0.5936, 0.3293 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 23.8756, 0.5936, 0.3293

Background



This preview shows how black text looks on a background with the Yxy color 23.8756, 0.5936, 0.3293.



This preview shows how white text looks on a background with the Yxy color 23.8756, 0.5936, 0.3293.

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

23.8756, 0.5936, 0.3293

Protanopia

24.1318, 0.3925, 0.4277

Deuteranopia

23.9947, 0.4574, 0.4500



Tritanopia

23.8667, 0.5946, 0.3298

Trichromacy



Original Color

23.8756, 0.5936, 0.3293

Protanomaly

20.8707, 0.4787, 0.3776

Deuteranomaly

21.5538, 0.5225, 0.3914

Tritanomaly

23.8667, 0.5946, 0.3298

Monochromacy



Original Color

23.8756, 0.5936, 0.3293

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

15.9430, 0.4299, 0.3293

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8756, 0.5936, 0.3293 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, 51, 52)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 52)  
}
```

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, 51, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 52) }
```

Border

The CSS property to change the border of an element to Yxy 23.8756, 0.5936, 0.3293 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, 51, 52) }
```

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

```
.border{ border-color:rgb(255, 51, 52) }
```

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

Here you see how a box with a 4 pixel rgb(255, 51, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 52);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8756, 0.5936, 0.3293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 51, 52) }
```

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

```
.background{ background-color: rgb(255, 51,  
52) }
```

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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