

Converting Colors

$Y_{xy}(23.7575, 0.5785, 0.3176)$

Have a look what the booklet for
Yxy(23.7575, 0.5785, 0.3176)
contains.

Yxy(23.7913, 0.5786, 0.3176)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(23.7913, 0.5786, 0.3176)

Conversions

Conversions Part 1

Format	Color
Hex	FF3044
RGB	255, 48, 68
RGB Percent	100%, 19%, 27%
CMY	0.0000, 0.8118, 0.7334
CMYK	0.00, 0.81, 0.73, 0.00
HSL	354°, 100%, 59%
HSV	354°, 81%, 100%
XYZ	43.3427, 23.7913, 7.7756
YIQ	112.1730, 116.9520, 50.1040

Conversions

Conversions Part 2

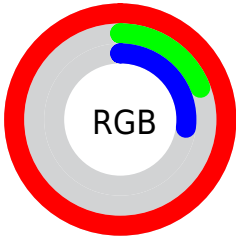
Format	Color
R_{YB}	255, 48, 68
Decimal	16724036
CIE Lab	55.88, 75.03, 40.95
CIE LCh	56, 85.482, 28.625
Yxy	23.7913, 0.5786, 0.3176
Android (android.graphics.Color)	4294914116 (0xFFFF3044)
YUV	112.1730, -21.7773, 125.2593
Hunter-Lab	48.7763, 73.2568, 24.6918

Details

The Yxy color **23.7913, 0.5786, 0.3176** 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 **78.1468, 0.2351, 0.3535**, and the grayscale version is **16.2954, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.7824, 0.4772, 0.3285**, and **10.8890, 0.6232, 0.3207** is the 20% darker color. If you saturate the color by 10%, you get **22.0422, 0.6126, 0.3215**, and if you desaturate by 10%, it is **26.8469, 0.5353, 0.3156**.

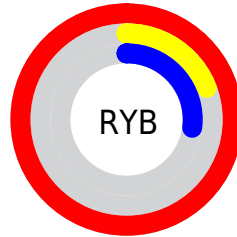
Distribution



Red (100%)

Green (19%)

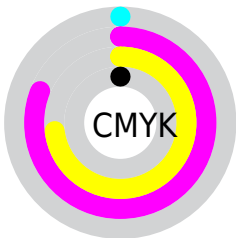
Blue (27%)



Red (100%)

Yellow (19%)

Blue (27%)

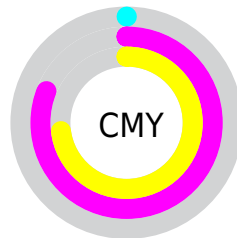


Cyan (0%)

Magenta (81%)

Yellow (73%)

Black (0%)



Cyan (0%)


Magenta (81%)


Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.7913, 0.5786, 0.3176 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 23.7913, 0.5786, 0.3176 by changing the saturation by 10% instead.


 23.7913, 0.5786,
0.3176


 23.7913, 0.5786,
0.3176


271.7637, 0.4351,
0.3370


 15.1789, 0.6144,
0.3073


 49.6894, 0.5256,
0.3286

 8.9450, 0.6586,
0.2909


 67.7439, 0.5057,
0.3315


 4.7053, 0.7189,
0.2666

 89.7145, 0.4891,
0.3335

 2.0754, 0.7784,
0.2216

 115.9857, 0.4750,
0.3348

 0.6508, 0.8502,
0.1498

 146.9418, 0.4628,
0.3357

 0.0000, 1.0000,
0.0000

182.9672, 0.4523,

 0.0000, 0.0000,

0.3363

0.0000

224.4464, 0.4432,
0.3367

■ 23.7913, 0.5786,
0.3176

■ 23.7913, 0.5786,
0.3176

■ 22.0422, 0.6126,
0.3215

■ 26.8469, 0.5353,
0.3156


■ 21.3286, 0.6315,
0.3253

■ 31.4001, 0.4895,
0.3153


■ 37.6100, 0.4464,
0.3165

■ 45.6156, 0.4087,
0.3186

■ 55.5412, 0.3772,
0.3211

 67.4999, 0.3515,
0.3238

 81.5962, 0.3309,
0.3263

 97.9273, 0.3144,
0.3287

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



23.7913, 0.4794, 0.2429



23.7913, 0.5786, 0.3176



23.7913, 0.5693, 0.4004

Triad

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



23.7913, 0.5786, 0.3176



23.7913, 0.2481, 0.5844



23.7913, 0.1297, 0.1392

Complementary

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



23.7913, 0.5786, 0.3176



78.1468, 0.2351, 0.3535

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.



23.7913, 0.1001, 0.1677



23.7913, 0.5786, 0.3176



23.7913, 0.1506, 0.4173

Square

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



23.7913, 0.5786, 0.3176



23.7913, 0.3680, 0.5924



23.7913, 0.1040, 0.2514



23.7913, 0.2003, 0.1452

Rectangle

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



23.7913, 0.5786, 0.3176



23.7913, 0.5180, 0.4649



23.7913, 0.1040, 0.2514



23.7913, 0.1159, 0.1443

Sweetspot

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



23.7912, 0.5786, 0.3176



63.9113, 0.3582, 0.3230



26.8771, 0.3002, 0.1518



12.7616, 0.3673, 0.3221



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.



23.7912, 0.5786, 0.3176



21.5279, 0.6261, 0.3242



37.6523, 0.5251, 0.3965



18.0156, 0.3279, 0.3267



11.1540, 0.6293, 0.3241



1.0951, 0.6086, 0.3126

Inverse Universe

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



23.7912, 0.5786, 0.3176



21.5279, 0.6261, 0.3242



37.4296, 0.1986, 0.2182



18.0156, 0.3279, 0.3267



11.1540, 0.6293, 0.3241



1.0951, 0.6086, 0.3126

Previews

White Background



This preview shows how the Yxy color 23.7913, 0.5786, 0.3176 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 23.7913, 0.5786, 0.3176 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 23.7913, 0.5786, 0.3176

Background



This preview shows how black text looks on a background with the Yxy color 23.7913, 0.5786, 0.3176.



This preview shows how white text looks on a background with the Yxy color 23.7913, 0.5786, 0.3176.

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

23.7913, 0.5786, 0.3176

Protanopia

23.8240, 0.3662, 0.3940

Deuteranopia

23.9297, 0.4408, 0.4333



Tritanopia

23.8667, 0.5946, 0.3298

Trichromacy



Original Color

23.7913, 0.5786, 0.3176

Protanomaly

20.5627, 0.4515, 0.3530

Deuteranomaly

21.3920, 0.5049, 0.3746

Tritanomaly

23.8366, 0.5894, 0.3258

Monochromacy



Original Color

23.7913, 0.5786, 0.3176

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

15.8818, 0.4207, 0.3183

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7913, 0.5786, 0.3176 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, 48, 68)` looks like.

```
.text, #text, p{  
    color:rgb(255, 48, 68)  
}
```

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, 48, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 48, 68) }
```

Border

The CSS property to change the border of an element to Yxy 23.7913, 0.5786, 0.3176 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, 48, 68) }
```

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

```
.border{ border-color:rgb(255, 48, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 48, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 48, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 48, 68);  
box-shadow:4px 4px 4px 4px rgb(255, 48,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7913, 0.5786, 0.3176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 48, 68) }
```

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

```
.background{ background-color: rgb(255, 48,  
68) }
```

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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