

Converting Colors

$Yxy(23.6102, 0.5809, 0.3173)$

Have a look what the booklet for
Yxy(23.6102, 0.5809, 0.3173)
contains.

Yxy(23.6192, 0.5807, 0.3173)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.6192, 0.5807, 0.3173)

Conversions

Conversions Part 1

Format	Color
Hex	FF2E43
RGB	255, 46, 67
RGB Percent	100%, 18%, 26%
CMY	0.0001, 0.8194, 0.7372
CMYK	0.00, 0.82, 0.74, 0.00
HSL	354°, 100%, 59%
HSV	354°, 82%, 100%
XYZ	43.2262, 23.6192, 7.5927
YIQ	110.8850, 117.8230, 50.8390

Conversions

Conversions Part 2

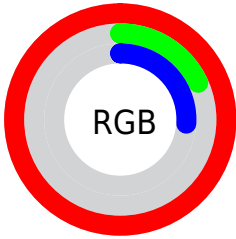
Format	Color
R_{YB}	255, 46, 67
Decimal	16723523
CIE _{Lab}	55.70, 75.44, 41.31
CIE _{LCh}	56, 86.007, 28.704
Yxy	23.6192, 0.5807, 0.3173
Android (android.graphics.Color)	4294913603 (0xFFFF2E43)
YUV	110.8850, -21.6353, 126.3889
Hunter-Lab	48.5996, 73.7149, 24.7569

Details

The Yxy color **23.6192, 0.5807, 0.3173** 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 **78.0339, 0.2352, 0.3547**, and the grayscale version is **15.9080, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.5324, 0.4790, 0.3285**, and **10.8848, 0.6242, 0.3212** is the 20% darker color. If you saturate the color by 10%, you get **21.9595, 0.6140, 0.3214**, and if you desaturate by 10%, it is **26.5716, 0.5379, 0.3151**.

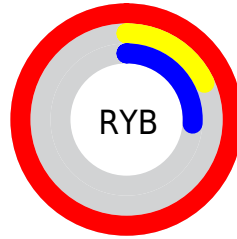
Distribution



Red (100%)

Green (18%)

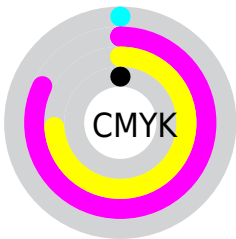
Blue (26%)



Red (100%)

Yellow (18%)

Blue (26%)

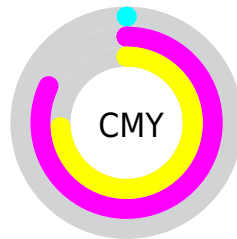


Cyan (0%)

Magenta (82%)

Yellow (74%)

Black (0%)



Cyan (0%)


Magenta (82%)


Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.6192, 0.5807, 0.3173 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 23.6192, 0.5807, 0.3173 by changing the saturation by 10% instead.


 23.6192, 0.5807,
0.3173


 23.6192, 0.5807,
0.3173


270.8896, 0.4361,
0.3371


 15.0514, 0.6167,
0.3068


 49.4081, 0.5273,
0.3285

 8.8555, 0.6611,
0.2901


 67.3979, 0.5073,
0.3315


 4.6470, 0.7224,
0.2656

 89.2972, 0.4905,
0.3335

 2.0417, 0.7804,
0.2196

 115.4904, 0.4763,
0.3349

 0.6315, 0.8532,
0.1468

 146.3618, 0.4640,
0.3358

 0.0000, 1.0000,
0.0000

182.2959, 0.4535,

 0.0000, 0.0000,

0.3364

0.0000

223.6770, 0.4442,
0.3368

■ 23.6192, 0.5807,
0.3173

■ 23.6192, 0.5807,
0.3173

■ 21.9595, 0.6140,
0.3214

■ 26.5716, 0.5379,
0.3151


■ 21.3296, 0.6310,
0.3250


■ 31.0058, 0.4922,
0.3147

■ 37.0845, 0.4489,
0.3159

■ 44.9475, 0.4109,
0.3180

■ 54.7201, 0.3791,
0.3206

 66.5160, 0.3531,
0.3233

 80.4403, 0.3323,
0.3260

 96.5905, 0.3156,
0.3285

99.9969, 0.3127,
0.3290

Harmonies

Analogous

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



23.6192, 0.4811, 0.2424



23.6192, 0.5807, 0.3173



23.6192, 0.5706, 0.4004

Triad

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



23.6192, 0.5807, 0.3173



23.6192, 0.2469, 0.5867



23.6192, 0.1288, 0.1381

Complementary

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



23.6192, 0.5807, 0.3173



78.0339, 0.2352, 0.3547

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.



23.6192, 0.0990, 0.1664



23.6192, 0.5807, 0.3173



23.6192, 0.1492, 0.4174

Square

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



23.6192, 0.5807, 0.3173



23.6192, 0.3673, 0.5943



23.6192, 0.1027, 0.2502



23.6192, 0.1998, 0.1443

Rectangle

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



23.6192, 0.5807, 0.3173



23.6192, 0.5186, 0.4653



23.6192, 0.1027, 0.2502



23.6192, 0.1150, 0.1431

Sweetspot

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



23.6207, 0.5807, 0.3173



62.6916, 0.3605, 0.3225



26.1012, 0.2966, 0.1493



12.5288, 0.3696, 0.3215



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.



23.6207, 0.5807, 0.3173



21.4653, 0.6275, 0.3243



36.4134, 0.5311, 0.3930



18.0167, 0.3279, 0.3266



11.1565, 0.6288, 0.3238



1.0956, 0.6075, 0.3120

Inverse Universe

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



23.6207, 0.5807, 0.3173



21.4653, 0.6275, 0.3243



38.4200, 0.1992, 0.2220



18.0167, 0.3279, 0.3266



11.1565, 0.6288, 0.3238



1.0956, 0.6075, 0.3120

Previews

White Background



This preview shows how the Yxy color 23.6192, 0.5807, 0.3173 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 23.6192, 0.5807, 0.3173 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 23.6192, 0.5807, 0.3173

Background



This preview shows how black text looks on a background with the Yxy color 23.6192, 0.5807, 0.3173.



This preview shows how white text looks on a background with the Yxy color 23.6192, 0.5807, 0.3173.

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

23.6192, 0.5807, 0.3173

Protanopia

23.8057, 0.3673, 0.3957

Deuteranopia

23.5521, 0.4416, 0.4337



Tritanopia

23.4892, 0.5972, 0.3298

Trichromacy



Original Color

23.6192, 0.5807, 0.3173

Protanomaly

20.3490, 0.4537, 0.3530

Deuteranomaly

21.0569, 0.5061, 0.3746

Tritanomaly

23.4703, 0.5911, 0.3254

Monochromacy



Original Color

23.6192, 0.5807, 0.3173

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.4291, 0.4223, 0.3166

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6192, 0.5807, 0.3173 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, 46, 67)` looks like.

```
.text, #text, p{  
    color:rgb(255, 46, 67)  
}
```

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, 46, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 46, 67) }
```

Border

The CSS property to change the border of an element to Yxy 23.6192, 0.5807, 0.3173 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, 46, 67) }
```

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

```
.border{ border-color:rgb(255, 46, 67) }
```

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

Here you see how a box with a 4 pixel rgb(255, 46, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 46, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 46, 67);  
box-shadow:4px 4px 4px 4px rgb(255, 46,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6192, 0.5807, 0.3173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 46, 67) }
```

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

```
.background{ background-color: rgb(255, 46,  
67) }
```

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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