

Converting Colors

$Yxy(23.0803, 0.5827, 0.3129)$

Have a look what the booklet for
Yxy(23.0803, 0.5827, 0.3129)
contains.

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Color

Yxy(23.0636, 0.5832, 0.3130)

Conversions

Conversions Part 1

Format	Color
Hex	FF2644
RGB	255, 38, 68
RGB Percent	100%, 15%, 27%
CMY	0.0000, 0.8508, 0.7335
CMYK	0.00, 0.85, 0.73, 0.00
HSL	352°, 100%, 57%
HSV	352°, 85%, 100%
XYZ	42.9735, 23.0636, 7.6486
YIQ	106.3030, 119.7020, 55.3340

Conversions

Conversions Part 2

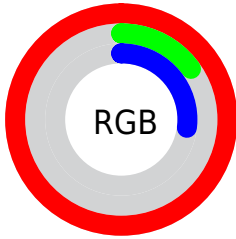
Format	Color
RYB	255, 38, 68
Decimal	16721476
CIELab	55.14, 77.13, 40.13
CIElCh	55, 86.944, 27.487
Yxy	23.0636, 0.5832, 0.3130
Android (android.graphics.Color)	4294911556 (0xFFFF2644)
YUV	106.3030, -18.8834, 130.4073
Hunter-Lab	48.0246, 75.6827, 24.1745

Details

The Yxy color **23.0636, 0.5832, 0.3130** 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 **77.3692, 0.2376, 0.3665**, and the grayscale version is **14.5357, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.4582, 0.4809, 0.3227**, and **10.8890, 0.6232, 0.3207** is the 20% darker color. If you saturate the color by 10%, you get **21.7321, 0.6142, 0.3188**, and if you desaturate by 10%, it is **25.6123, 0.5425, 0.3096**.

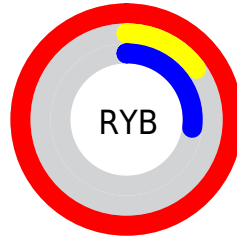
Distribution



Red (100%)

Green (15%)

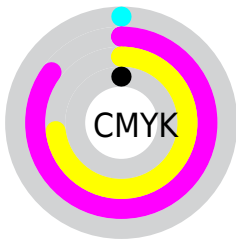
Blue (27%)



Red (100%)

Yellow (15%)

Blue (27%)

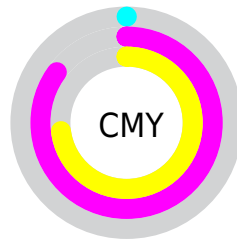


Cyan (0%)

Magenta (85%)

Yellow (73%)

Black (0%)



Cyan (0%)


Magenta (85%)

Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.0636, 0.5832, 0.3130 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 23.0636, 0.5832, 0.3130 by changing the saturation by 10% instead.


 23.0636, 0.5832,
0.3130


 23.0636, 0.5832,
0.3130


268.0515, 0.4366,
0.3350


 14.6405, 0.6200,
0.3020


 48.4977, 0.5289,
0.3250

 8.5675, 0.6653,
0.2846


 66.2775, 0.5086,
0.3283


 4.4601, 0.7278,
0.2591

 87.9450, 0.4916,
0.3305

 1.9341, 0.7877,
0.2123

 113.8846, 0.4772,
0.3321

 0.5688, 0.8642,
0.1358

 144.4806, 0.4649,
0.3332

 0.0000, 1.0000,
0.0000

180.1175, 0.4542,

 0.0000, 0.0000,

0.3340

0.0000

221.1797, 0.4449,
0.3346

■ 23.0636, 0.5832,
0.3130

■ 23.0636, 0.5832,
0.3130

■ 21.7321, 0.6142,
0.3188

■ 25.6123, 0.5425,
0.3096


■ 21.3807, 0.6251,
0.3217


■ 29.5803, 0.4982,
0.3087


■ 35.1368, 0.4554,
0.3100

■ 42.4264, 0.4174,
0.3128

■ 51.5773, 0.3852,
0.3162

 62.7056, 0.3587,
0.3200

 75.9178, 0.3373,
0.3237

 91.3130, 0.3201,
0.3273

99.9985, 0.3127,
0.3290

Harmonies

Analogous

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



23.0636, 0.4780, 0.2380



23.0636, 0.5832, 0.3130



23.0636, 0.5760, 0.3960

Triad

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



23.0636, 0.5832, 0.3130



23.0636, 0.2497, 0.5963



23.0636, 0.1247, 0.1362

Complementary

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



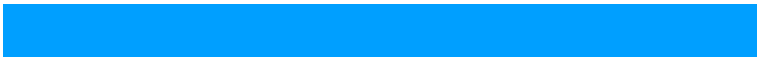
23.0636, 0.5832, 0.3130



77.3692, 0.2376, 0.3665

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.



23.0636, 0.0961, 0.1661



23.0636, 0.5832, 0.3130



23.0636, 0.1495, 0.4273

Square

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



23.0636, 0.5832, 0.3130



23.0636, 0.3715, 0.5954



23.0636, 0.1010, 0.2536



23.0636, 0.1942, 0.1412

Rectangle

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



23.0636, 0.5832, 0.3130



23.0636, 0.5244, 0.4614



23.0636, 0.1010, 0.2536



23.0636, 0.1113, 0.1416

Sweetspot

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



23.0650, 0.5832, 0.3130



61.5960, 0.3609, 0.3197



24.2102, 0.2884, 0.1425



12.3237, 0.3696, 0.3183



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.



23.0650, 0.5832, 0.3130



21.3822, 0.6251, 0.3217



33.4295, 0.5483, 0.3851



18.0278, 0.3273, 0.3258



11.1850, 0.6223, 0.3202



1.1009, 0.5964, 0.3059

Inverse Universe

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



23.0650, 0.5832, 0.3130



21.3822, 0.6251, 0.3217



39.8984, 0.1995, 0.2275



18.0278, 0.3273, 0.3258



11.1850, 0.6223, 0.3202



1.1009, 0.5964, 0.3059

Previews

White Background



This preview shows how the Yxy color 23.0636, 0.5832, 0.3130 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 23.0636, 0.5832, 0.3130 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 23.0636, 0.5832, 0.3130

Background



This preview shows how black text looks on a background with the Yxy color 23.0636, 0.5832, 0.3130.



This preview shows how white text looks on a background with the Yxy color 23.0636, 0.5832, 0.3130.

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

23.0636, 0.5832, 0.3130

Protanopia

23.1352, 0.3624, 0.3880

Deuteranopia

23.0901, 0.4395, 0.4325



Tritanopia

23.0394, 0.6058, 0.3308

Trichromacy



Original Color

23.0636, 0.5832, 0.3130

Protanomaly

19.4908, 0.4531, 0.3447

Deuteranomaly

20.2020, 0.5085, 0.3690

Tritanomaly

22.9658, 0.5991, 0.3253

Monochromacy



Original Color

23.0636, 0.5832, 0.3130

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.1311, 0.4273, 0.3117

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0636, 0.5832, 0.3130 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, 38, 68)` looks like.

```
.text, #text, p{  
  color:rgb(255, 38, 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, 38, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 38, 68) }
```

Border

The CSS property to change the border of an element to Yxy 23.0636, 0.5832, 0.3130 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, 38, 68) }
```

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

```
.border{ border-color:rgb(255, 38, 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, 38, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 38, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 38, 68);  
box-shadow:4px 4px 4px 4px rgb(255, 38,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0636, 0.5832, 0.3130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 38, 68) }
```

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

```
.background{ background-color: rgb(255, 38,  
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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