

# Converting Colors

$Yxy(23.0438, 0.6029, 0.3265)$

Have a look what the booklet for  
Yxy(23.0438, 0.6029, 0.3265)  
contains.

<b>Yxy(23.0593, 0.6027, 0.3265)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

**Color**

**Yxy(23.0593, 0.6027, 0.3265)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF2930
RGB	255, 41, 48
RGB Percent	100%, 16%, 19%
CMY	0.0000, 0.8391, 0.8119
CMYK	0.00, 0.84, 0.81, 0.00
HSL	358°, 100%, 58%
HSV	358°, 84%, 100%
XYZ	42.5661, 23.0593, 5.0003
YIQ	105.7840, 125.2970, 47.5450

# Conversions

## Conversions Part 2

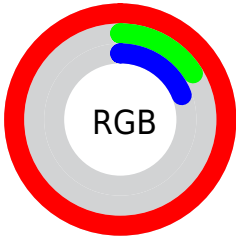
<b>Format</b>	<b>Color</b>
<b>RYB</b>	255, 41, 48
Decimal	16722224
CIELab	55.13, 75.93, 51.02
CIElCh	55, 91.482, 33.899
Yxy	23.0593, 0.6027, 0.3265
Android (android.graphics.Color)	4294912304 (0xFFFF2930)
YUV	105.7840, -28.4875, 130.8624
Hunter-Lab	48.0201, 74.1913, 27.4402

# Details

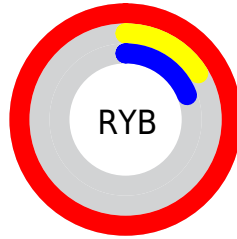
The Yxy color **23.0593, 0.6027, 0.3265** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **78.7726, 0.2295, 0.3372**, and the grayscale version is **14.4075, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.4734, 0.5032, 0.3435**, and **10.8232, 0.6390, 0.3294** is the 20% darker color. If you saturate the color by 10%, you get **21.6797, 0.6292, 0.3281**, and if you desaturate by 10%, it is **25.6944, 0.5624, 0.3254**.

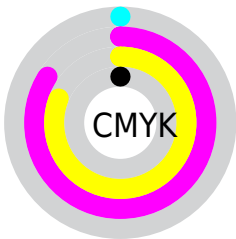
# Distribution



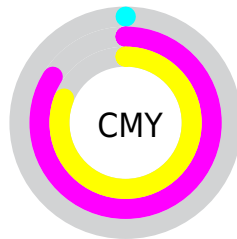
- Red (100%)
- Green (16%)
- Blue (19%)



- Red (100%)
- Yellow (16%)
- Blue (19%)



- Cyan (0%)
- Magenta (84%)
- Yellow (81%)
- Black (0%)




- Cyan (0%)
- Magenta (84%)
- Yellow (81%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 23.0593, 0.6027, 0.3265 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 23.0593, 0.6027, 0.3265 by changing the saturation by 10% instead.




 23.0593, 0.6027,  
0.3265


 23.0593, 0.6027,  
0.3265


268.0294, 0.4490,  
0.3460


 14.6373, 0.6386,  
0.3143


 48.4907, 0.5474,  
0.3389

 8.5652, 0.6818,  
0.2952


 66.2688, 0.5262,  
0.3420


 4.4587, 0.7347,  
0.2653


 87.9345, 0.5082,  
0.3439

 1.9333, 0.7849,  
0.2151

 113.8721, 0.4928,  
0.3450

 0.5683, 0.8618,  
0.1382

 144.4660, 0.4796,  
0.3457

 0.0000, 1.0000,  
0.0000

 180.1006, 0.4680,

 0.0000, 0.0000,

0.3460

0.0000

221.1603, 0.4579,  
0.3461

■ 23.0593, 0.6027,  
0.3265

■ 23.0593, 0.6027,  
0.3265

■ 21.6797, 0.6292,  
0.3281

■ 25.6944, 0.5624,  
0.3254


■ 21.2781, 0.6378,  
0.3287

■ 29.7876, 0.5153,  
0.3249


■ 35.5101, 0.4684,  
0.3250

■ 43.0083, 0.4262,  
0.3255

■ 52.4125, 0.3905,  
0.3263

 63.8404, 0.3612,  
0.3271

 77.4007, 0.3377,  
0.3279

 93.1939, 0.3190,  
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.



23.0593, 0.5182, 0.2495



23.0593, 0.6027, 0.3265



23.0593, 0.5698, 0.4140

# Triad

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



23.0593, 0.6027, 0.3265



23.0593, 0.2190, 0.5872



23.0593, 0.1296, 0.1284

# Complementary

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



23.0593, 0.6027, 0.3265



78.7726, 0.2295, 0.3372

# 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.



23.0593, 0.0931, 0.1494



23.0593, 0.6027, 0.3265



23.0593, 0.1270, 0.3858

# Square

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



23.0593, 0.6027, 0.3265



23.0593, 0.3418, 0.6208



23.0593, 0.0900, 0.2224



23.0593, 0.2115, 0.1403



# Rectangle

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



23.0593, 0.6027, 0.3265



23.0593, 0.5076, 0.4863



23.0593, 0.0900, 0.2224



23.0593, 0.1133, 0.1313

# Sweetspot

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



23.0607, 0.6027, 0.3265



62.4952, 0.3641, 0.3270



28.7398, 0.3136, 0.1567



12.4835, 0.3739, 0.3267



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.



23.0607, 0.6027, 0.3265



21.2781, 0.6378, 0.3287



40.4346, 0.5177, 0.4093



17.9966, 0.3289, 0.3283



11.1224, 0.6368, 0.3282



1.0862, 0.6290, 0.3239



# Inverse Universe

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



23.0607, 0.6027, 0.3265



21.2781, 0.6378, 0.3287



31.1829, 0.1909, 0.1938



17.9966, 0.3289, 0.3283



11.1224, 0.6368, 0.3282



1.0862, 0.6290, 0.3239



# Previews

## White Background



This preview shows how the Yxy color 23.0593, 0.6027, 0.3265 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 23.0593, 0.6027, 0.3265 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 23.0593, 0.6027, 0.3265**

## Background



This preview shows how black text looks on a background with the Yxy color 23.0593, 0.6027, 0.3265.



This preview shows how white text looks on a background with the Yxy color 23.0593, 0.6027, 0.3265.

# 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

23.0593, 0.6027, 0.3265

### Protanopia

23.0814, 0.3953, 0.4289

### Deuteranopia

23.2210, 0.4614, 0.4539



## Tritanopia

23.0691, 0.6087, 0.3308

# Trichromacy



## Original Color

23.0593, 0.6027, 0.3265

## Protanomaly

19.7217, 0.4879, 0.3757

## Deuteranomaly

20.4479, 0.5328, 0.3898

## Tritanomaly

23.0903, 0.6064, 0.3294

# Monochromacy



## Original Color

23.0593, 0.6027, 0.3265

## Achromatopsia

14.4128, 0.3127, 0.3290

## Achromatomaly

14.1640, 0.4389, 0.3246

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 23.0593, 0.6027, 0.3265 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, 41, 48)` looks like.

```
.text, #text, p{  
    color:rgb(255, 41, 48)  
}
```

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, 41, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 41, 48) }
```

## Border

The CSS property to change the border of an element to Yxy 23.0593, 0.6027, 0.3265 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, 41, 48) }
```

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

```
.border{ border-color:rgb(255, 41, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 41, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 41, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 41, 48);  
box-shadow:4px 4px 4px 4px rgb(255, 41,  
48) }
```



# Background

The CSS property to change the background color of an element to Yxy 23.0593, 0.6027, 0.3265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 41, 48) }
```

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

```
.background{ background-color: rgb(255, 41,  
48) }
```

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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