

# Converting Colors

$Yxy(23.5739, 0.5546, 0.3184)$

Have a look what the booklet for  
Yxy(23.5739, 0.5546, 0.3184)  
contains.

<b>Yxy(23.5739, 0.5546, 0.3184)</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(23.5739, 0.5546, 0.3184)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F63E4D
RGB	246, 62, 77
RGB Percent	96%, 24%, 30%
CMY	0.0354, 0.7567, 0.6981
CMYK	0.00, 0.75, 0.69, 0.04
HSL	355°, 91%, 60%
HSV	355°, 75%, 96%
XYZ	41.0618, 23.5739, 9.4029
YIQ	118.7260, 104.8490, 43.6730

# Conversions

## Conversions Part 2

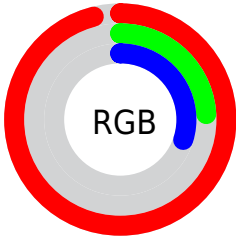
Format	Color
<b>R<sub>YB</sub></b>	246, 62, 77
Decimal	16137805
CIE Lab	55.66, 69.11, 35.15
CIE LCh	56, 77.532, 26.957
Yxy	23.5739, 0.5546, 0.3184
Android (android.graphics.Color)	4294327885 (0xFFFF63E4D)
YUV	118.7260, -20.5709, 111.6193
Hunter-Lab	48.5530, 65.9919, 22.5048

# Details

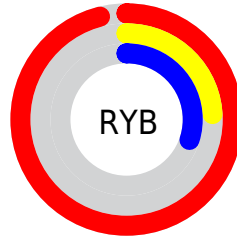
The Yxy color **23.5739, 0.5546, 0.3184** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **72.6961, 0.2361, 0.3476**, and the grayscale version is **18.4050, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.9323, 0.4604, 0.3264**, and **10.0549, 0.6120, 0.3145** is the 20% darker color. If you saturate the color by 10%, you get **21.2103, 0.5952, 0.3208**, and if you desaturate by 10%, it is **27.2608, 0.5087, 0.3176**.

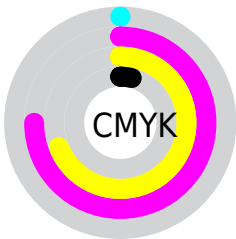
# Distribution



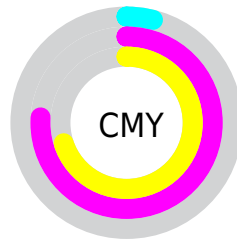
- Red (96%)
- Green (24%)
- Blue (30%)



- Red (96%)
- Yellow (24%)
- Blue (30%)



- Cyan (0%)
- Magenta (75%)
- Yellow (69%)
- Black (4%)




- Cyan (4%)
- Magenta (76%)
- Yellow (70%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 23.5739, 0.5546, 0.3184 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 23.5739, 0.5546, 0.3184 by changing the saturation by 10% instead.





 23.5739, 0.5546,  
0.3184


 23.5739, 0.5546,  
0.3184


270.6591, 0.4223,  
0.3346


 15.0178, 0.5890,  
0.3098


 49.3340, 0.5049,  
0.3275

 8.8319, 0.6327,  
0.2958


 67.3068, 0.4865,  
0.3299


 4.6317, 0.6894,  
0.2731

 89.1873, 0.4713,  
0.3315

 2.0328, 0.7647,  
0.2353

 115.3599, 0.4584,  
0.3327

 0.6264, 0.8388,  
0.1612

 146.2090, 0.4474,  
0.3334

 0.0000, 1.0000,  
0.0000


182.1189, 0.4379,


 0.0000, 0.0000,


0.3340


0.0000

223.4742, 0.4296,  
0.3343


 23.5739, 0.5546,  
0.3184


 23.5739, 0.5546,  
0.3184


 21.2103, 0.5952,  
0.3208

 27.2608, 0.5087,  
0.3176


 19.9760, 0.6238,  
0.3245


 32.4217, 0.4636,  
0.3182


 19.6391, 0.6332,  
0.3262

 39.1916, 0.4231,  
0.3197

 47.6890, 0.3889,  
0.3217

 58.0214, 0.3608,  
0.3238

 70.2876, 0.3382,  
0.3260

 84.5790, 0.3200,  
0.3281

 98.3287, 0.3072,  
0.3290

# Harmonies

## Analogous

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



23.5739, 0.4579, 0.2463



23.5739, 0.5546, 0.3184



23.5739, 0.5559, 0.3980

# Triad

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



23.5739, 0.5546, 0.3184



23.5739, 0.2632, 0.5625



23.5739, 0.1383, 0.1515

# Complementary

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



23.5739, 0.5546, 0.3184



72.6961, 0.2361, 0.3476

# 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.



23.5739, 0.1115, 0.1825



23.5739, 0.5546, 0.3184



23.5739, 0.1678, 0.4195

# Square

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



23.5739, 0.5546, 0.3184



23.5739, 0.3770, 0.5699



23.5739, 0.1185, 0.2665



23.5739, 0.2039, 0.1552



# Rectangle

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



23.5739, 0.5546, 0.3184



23.5739, 0.5131, 0.4576



23.5739, 0.1185, 0.2665



23.5739, 0.1256, 0.1574

# Sweetspot

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



23.5753, 0.5546, 0.3184



66.3942, 0.3541, 0.3244



27.0343, 0.3049, 0.1610



13.4821, 0.3608, 0.3238



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.



23.5753, 0.5546, 0.3184



22.1596, 0.6124, 0.3227



38.3123, 0.5017, 0.3999



16.5043, 0.3281, 0.3271



10.4927, 0.6313, 0.3251



0.9296, 0.6113, 0.3141



# Inverse Universe

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



23.5753, 0.5546, 0.3184



22.1596, 0.6124, 0.3227



36.1818, 0.2036, 0.2241



16.5043, 0.3281, 0.3271



10.4927, 0.6313, 0.3251



0.9296, 0.6113, 0.3141



# Previews

## White Background



This preview shows how the Yxy color 23.5739, 0.5546, 0.3184 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 23.5739, 0.5546, 0.3184 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 23.5739, 0.5546, 0.3184**

## Background



This preview shows how black text looks on a background with the Yxy color 23.5739, 0.5546, 0.3184.



This preview shows how white text looks on a background with the Yxy color 23.5739, 0.5546, 0.3184.

# 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

23.5739, 0.5546, 0.3184

### Protanopia

23.6142, 0.3565, 0.3790

### Deuteranopia

23.5833, 0.4285, 0.4189



## Tritanopia

23.6530, 0.5666, 0.3283

# Trichromacy



## Original Color

23.5739, 0.5546, 0.3184

## Protanomaly

21.0268, 0.4321, 0.3481

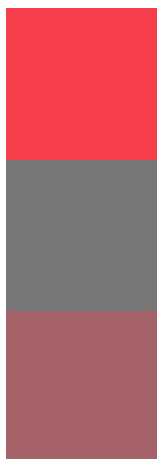
## Deuteranomaly

21.6248, 0.4826, 0.3696

## Tritanomaly

23.5900, 0.5627, 0.3246

# Monochromacy



## Original Color

23.5739, 0.5546, 0.3184

## Achromatopsia

18.4475, 0.3127, 0.3290

## Achromatomaly

17.7342, 0.4036, 0.3198

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 23.5739, 0.5546, 0.3184 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(246, 62, 77)` looks like.

```
.text, #text, p{  
    color:rgb(246, 62, 77)  
}
```

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(246, 62, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 62, 77) }
```

## Border

The CSS property to change the border of an element to Yxy 23.5739, 0.5546, 0.3184 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(246, 62, 77) }
```

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

```
.border{ border-color:rgb(246, 62, 77) }
```

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

Here you see how a box with a 4 pixel rgb(246, 62, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 62, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 62, 77);  
box-shadow:4px 4px 4px 4px rgb(246, 62,  
77) }
```



# Background

The CSS property to change the background color of an element to Yxy 23.5739, 0.5546, 0.3184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 62, 77) }
```

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

```
.background{ background-color: rgb(246, 62,  
77) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor