

# Converting Colors

$Yxy(23.3587, 0.5011, 0.3404)$

Have a look what the booklet for  
Yxy(23.3587, 0.5011, 0.3404)  
contains.

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**Color**

**Yxy(23.3587, 0.5011, 0.3404)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DA5D53
RGB	218, 93, 83
RGB Percent	85%, 36%, 33%
CMY	0.1451, 0.6352, 0.6746
CMYK	0.00, 0.57, 0.62, 0.15
HSL	4°, 65%, 59%
HSV	4°, 62%, 85%
XYZ	34.3861, 23.3587, 10.8765
YIQ	129.2350, 77.7100, 23.3900

# Conversions

## Conversions Part 2

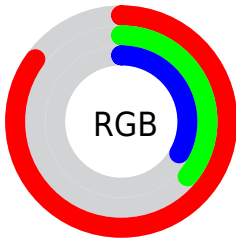
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	218, 94, 83
Decimal	14310739
CIE Lab	55.44, 48.34, 30.37
CIE LCh	55, 57.094, 32.141
Yxy	23.3587, 0.5011, 0.3404
Android (android.graphics.Color)	4292500819 (0xFFDA5D53)
YUV	129.2350, -22.7939, 77.8469
Hunter-Lab	48.3308, 42.4192, 20.4888

# Details

The Yxy color **23.3587, 0.5011, 0.3404** is a dark color, and the websafe version is hex **FF6666**. The color can be described as dark muted red. A complement of this color would be **51.9884, 0.2348, 0.3150**, and the grayscale version is **22.1025, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.8209, 0.4387, 0.3439**, and **8.6943, 0.5669, 0.3298** is the 20% darker color. If you saturate the color by 10%, you get **19.9867, 0.5471, 0.3404**, and if you desaturate by 10%, it is **27.7735, 0.4567, 0.3393**.

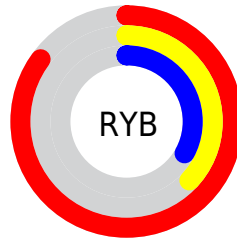
# Distribution



Red (85%)

Green (36%)

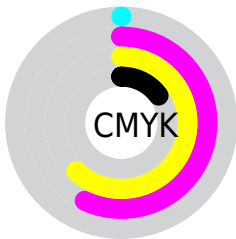
Blue (33%)



Red (85%)

Yellow (37%)

Blue (33%)

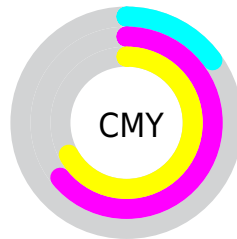


Cyan (0%)

Magenta (57%)

Yellow (62%)

Black (15%)



Cyan (15%)

Magenta (64%)


Yellow (67%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 23.3587, 0.5011, 0.3404 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 23.3587, 0.5011, 0.3404 by changing the saturation by 10% instead.





 23.3587, 0.5011,  
0.3404


 23.3587, 0.5011,  
0.3404


269.5620, 0.3965,  
0.3410

 14.8586, 0.5298,  
0.3371


 48.9816, 0.4609,  
0.3427


 8.7202, 0.5674,  
0.3303


 66.8733, 0.4464,  
0.3429


 4.5591, 0.6177,  
0.3168

 88.6642, 0.4344,  
0.3428

 1.9910, 0.7036,  
0.2964

 114.7388, 0.4244,  
0.3426

 0.6022, 0.7788,  
0.2212

 145.4815, 0.4158,  
0.3422

 0.0000, 1.0000,  
0.0000

181.2767, 0.4085,

 0.0000, 0.0000,

0.3418

0.0000

222.5087, 0.4021,  
0.3414

■ 23.3587, 0.5011,  
0.3404

■ 23.3587, 0.5011,  
0.3404

■ 19.9867, 0.5471,  
0.3404

■ 27.7735, 0.4567,  
0.3393

■ 17.5682, 0.5891,  
0.3389

■ 33.3033, 0.4172,  
0.3376

■ 16.0052, 0.6202,  
0.3360

■ 40.0182, 0.3837,  
0.3355

■ 15.2803, 0.6354,  
0.3337

■ 47.9817, 0.3562,  
0.3334

■ 57.2526, 0.3339,  
0.3313

■ 67.8859, 0.3158,  
0.3294

■ 79.9336, 0.3012,  
0.3276

■ 93.2911, 0.2905,  
0.3284

■ 93.6436, 0.2906,  
0.3289

# Harmonies

## Analogous

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



23.3587, 0.4377, 0.2766



23.3587, 0.5011, 0.3404



23.3587, 0.4991, 0.4093

# Triad

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



23.3587, 0.5011, 0.3404



23.3587, 0.2672, 0.4810



23.3587, 0.1803, 0.1858

# Complementary

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



23.3587, 0.5011, 0.3404



51.9884, 0.2348, 0.3150

# 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.



23.3587, 0.1517, 0.2094



23.3587, 0.5011, 0.3404



23.3587, 0.1932, 0.3759

# Square

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



23.3587, 0.5011, 0.3404



23.3587, 0.3588, 0.5154



23.3587, 0.1548, 0.2718



23.3587, 0.2424, 0.1923



# Rectangle

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



23.3587, 0.5011, 0.3404



23.3587, 0.4664, 0.4552



23.3587, 0.1548, 0.2718



23.3587, 0.1672, 0.1900

# Sweetspot

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



23.3600, 0.5011, 0.3404



71.9110, 0.3495, 0.3328



25.6905, 0.3292, 0.1944



14.6182, 0.3565, 0.3334



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.



23.3600, 0.5011, 0.3404



27.4422, 0.5593, 0.3401



40.4918, 0.4420, 0.4167



13.2062, 0.3290, 0.3308



9.2149, 0.6342, 0.3346



0.6526, 0.6177, 0.3477



# Inverse Universe

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



51.9884, 0.2348, 0.3150



71.2834, 0.2264, 0.3117



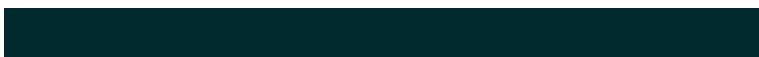
26.0929, 0.2118, 0.2140



14.6552, 0.2982, 0.3272



28.3516, 0.2183, 0.3057



1.8872, 0.2194, 0.3098



# Previews

## White Background



This preview shows how the Yxy color 23.3587, 0.5011, 0.3404 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 23.3587, 0.5011, 0.3404 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 23.3587, 0.5011, 0.3404**

## Background



This preview shows how black text looks on a background with the Yxy color 23.3587, 0.5011, 0.3404.



This preview shows how white text looks on a background with the Yxy color 23.3587, 0.5011, 0.3404.

# 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

23.3587, 0.5011, 0.3404

### Protanopia

23.5155, 0.3621, 0.3876

### Deuteranopia

23.3959, 0.4144, 0.4068



## Tritanopia

23.4053, 0.4843, 0.3229

# Trichromacy



## Original Color

23.3587, 0.5011, 0.3404

## Protanomaly

22.2932, 0.4126, 0.3675

## Deuteranomaly

22.7711, 0.4474, 0.3796

## Tritanomaly

23.4871, 0.4907, 0.3295

# Monochromacy



## Original Color

23.3587, 0.5011, 0.3404

## Achromatopsia

21.9526, 0.3127, 0.3290

## Achromatomaly

21.2377, 0.3772, 0.3356

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 23.3587, 0.5011, 0.3404 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(218, 93, 83)` looks like.

```
.text, #text, p{  
    color:rgb(218, 93, 83)  
}
```

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(218, 93, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 93, 83) }
```

## Border

The CSS property to change the border of an element to Yxy 23.3587, 0.5011, 0.3404 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(218, 93, 83) }
```

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

```
.border{ border-color:rgb(218, 93, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 93, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 93, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 93, 83);  
box-shadow:4px 4px 4px 4px rgb(218, 93,  
83) }
```



# Background

The CSS property to change the background color of an element to Yxy 23.3587, 0.5011, 0.3404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 93, 83) }
```

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

```
.background{ background-color: rgb(218, 93,  
83) }
```

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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