

# Converting Colors

Yxy(19.8864, 0.6316, 0.3314)

Have a look what the booklet for  
Yxy(19.8864, 0.6316, 0.3314)  
contains.

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**Color**

**Yxy(19.9073, 0.6317, 0.3313)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F5130D
RGB	245, 19, 13
RGB Percent	96%, 7%, 5%
CMY	0.0393, 0.9250, 0.9489
CMYK	0.00, 0.92, 0.95, 0.04
HSL	2°, 92%, 51%
HSV	2°, 95%, 96%
XYZ	37.9579, 19.9073, 2.2233
YIQ	85.8900, 136.6220, 46.0460

# Conversions

## Conversions Part 2

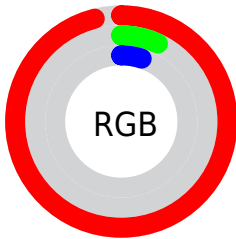
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	245, 19, 13
Decimal	16061197
CIE Lab	51.73, 76.26, 62.11
CIE LCh	52, 98.353, 39.164
Yxy	19.9073, 0.6317, 0.3313
Android (android.graphics.Color)	4294251277 (0xFFFF5130D)
YUV	85.8900, -35.9348, 139.5395
Hunter-Lab	44.6176, 73.7759, 28.2779

# Details

The Yxy color **19.9073, 0.6317, 0.3313** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **68.3407, 0.2230, 0.3210**, and the grayscale version is **9.3527, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.5653, 0.5446, 0.3568**, and **9.4650, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **19.5495, 0.6387, 0.3310**, and if you desaturate by 10%, it is **21.2724, 0.6073, 0.3325**.

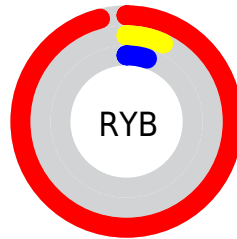
# Distribution



Red (96%)

Green (7%)

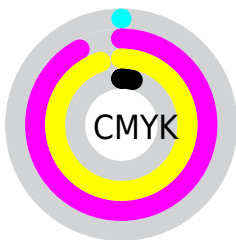
Blue (5%)



Red (96%)

Yellow (7%)

Blue (5%)

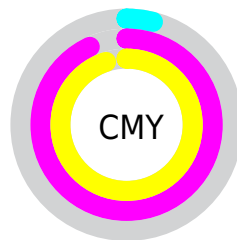


Cyan (0%)

Magenta (92%)

Yellow (95%)

Black (4%)



Cyan (4%)

Magenta (93%)


Yellow (95%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 19.9073, 0.6317, 0.3313 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 19.9073, 0.6317, 0.3313 by changing the saturation by 10% instead.





 19.9073, 0.6317,  
0.3313


 19.9073, 0.6317,  
0.3313


251.4128, 0.4657,  
0.3562


 12.3277, 0.6675,  
0.3149

 43.2617, 0.5742,  
0.3482

 6.9673, 0.7099,  
0.2901


 59.8053, 0.5514,  
0.3521


 3.4416, 0.7508,  
0.2492

 80.1056, 0.5317,  
0.3545

 1.3664, 0.8068,  
0.1932

 104.5472, 0.5147,  
0.3558

 0.1918, 0.9338,  
0.0662

 133.5143, 0.4999,  
0.3564

 0.0000, 1.0000,  
0.0000


 167.3913, 0.4871,


 0.0000, 0.0000,

0.3566

0.0000

 206.5627, 0.4757,  
0.3565


 19.9073, 0.6317,  
0.3313


 19.9073, 0.6317,  
0.3313


 19.5495, 0.6387,  
0.3310

 21.2724, 0.6073,  
0.3325

 23.7517, 0.5684,  
0.3332

 27.5180, 0.5218,  
0.3334

 32.7138, 0.4745,  
0.3331

 39.4628, 0.4314,  
0.3325

■ 47.8751, 0.3946,  
0.3317

■ 58.0512, 0.3644,  
0.3309

■ 70.0833, 0.3400,  
0.3301

■ 84.0574, 0.3205,  
0.3293

# Harmonies

## Analogous

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



19.9073, 0.5685, 0.2528



19.9073, 0.6317, 0.3313



19.9073, 0.5717, 0.4283

# Triad

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



19.9073, 0.6317, 0.3313



19.9073, 0.1820, 0.5953



19.9073, 0.1263, 0.1136

# Complementary

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



19.9073, 0.6317, 0.3313



68.3407, 0.2230, 0.3210

# 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.



19.9073, 0.0824, 0.1272



19.9073, 0.6317, 0.3313



19.9073, 0.0984, 0.3483

# Square

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



19.9073, 0.6317, 0.3313



19.9073, 0.3073, 0.6626



19.9073, 0.0724, 0.1888



19.9073, 0.2227, 0.1314



# Rectangle

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



19.9073, 0.6317, 0.3313



19.9073, 0.4910, 0.5090



19.9073, 0.0724, 0.1888



19.9073, 0.1071, 0.1144

# Sweetspot

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



19.9086, 0.6317, 0.3313



59.6024, 0.3739, 0.3311



26.0558, 0.3249, 0.1577



11.7358, 0.3871, 0.3315



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.



19.9086, 0.6317, 0.3313



21.4056, 0.6388, 0.3310



36.1775, 0.5286, 0.4149



16.5523, 0.3293, 0.3297



10.5642, 0.6382, 0.3315



0.9526, 0.6334, 0.3353



# Inverse Universe

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



68.3407, 0.2230, 0.3210



74.5340, 0.2224, 0.3206



21.3789, 0.1783, 0.1588



18.6786, 0.2981, 0.3283



36.7021, 0.2224, 0.3207



3.2490, 0.2227, 0.3218



# Previews

## White Background



This preview shows how the Yxy color 19.9073, 0.6317, 0.3313 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

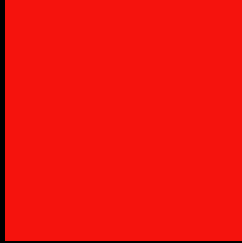
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 19.9073, 0.6317, 0.3313 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 19.9073, 0.6317, 0.3313**

## Background



This preview shows how black text looks on a background with the Yxy color 19.9073, 0.6317, 0.3313.



This preview shows how white text looks on a background with the Yxy color 19.9073, 0.6317, 0.3313.

# 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

19.9073, 0.6317, 0.3313

### Protanopia

20.2836, 0.4236, 0.4695

### Deuteranopia

20.1250, 0.4705, 0.4646



## Tritanopia

19.9863, 0.6346, 0.3343

# Trichromacy



## Original Color

19.9073, 0.6317, 0.3313

## Protanomaly

16.2044, 0.5318, 0.3936

## Deuteranomaly

16.8644, 0.5585, 0.3919

## Tritanomaly

19.9598, 0.6335, 0.3332

# Monochromacy



## Original Color

19.9073, 0.6317, 0.3313

## Achromatopsia

9.3059, 0.3127, 0.3290

## Achromatomaly

9.6903, 0.4837, 0.3345

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 19.9073, 0.6317, 0.3313 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(245, 19, 13)` looks like.

```
.text, #text, p{  
  color:rgb(245, 19, 13)  
}
```

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(245, 19, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 19, 13) }
```

## Border

The CSS property to change the border of an element to Yxy 19.9073, 0.6317, 0.3313 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(245, 19, 13) }
```

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

```
.border{ border-color:rgb(245, 19, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 19, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 19, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 19, 13);  
box-shadow:4px 4px 4px 4px rgb(245, 19,  
13) }
```



# Background

The CSS property to change the background color of an element to Yxy 19.9073, 0.6317, 0.3313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 19, 13) }
```

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

```
.background{ background-color: rgb(245, 19,  
13) }
```

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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