

# Converting Colors

$Yxy(18.7219, 0.5947, 0.3150)$

Have a look what the booklet for  
Yxy(18.7219, 0.5947, 0.3150)  
contains.

<b>Yxy(18.7219, 0.5947, 0.3150)</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(18.7219, 0.5947, 0.3150)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EB1B37
RGB	235, 27, 55
RGB Percent	92%, 11%, 22%
CMY	0.0784, 0.8942, 0.7843
CMYK	0.00, 0.89, 0.77, 0.08
HSL	352°, 84%, 51%
HSV	352°, 89%, 92%
XYZ	35.3458, 18.7219, 5.3669
YIQ	92.3840, 114.9800, 52.8040

# Conversions

## Conversions Part 2

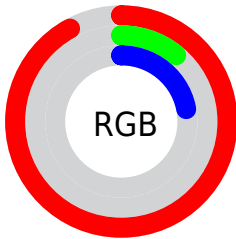
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	235, 27, 55
Decimal	15407927
CIE Lab	50.36, 73.52, 41.08
CIE LCh	50, 84.223, 29.196
Yxy	18.7219, 0.5947, 0.3150
Android (android.graphics.Color)	4293598007 (0xFFEB1B37)
YUV	92.3840, -18.4303, 125.0742
Hunter-Lab	43.2688, 70.0940, 22.9340

# Details

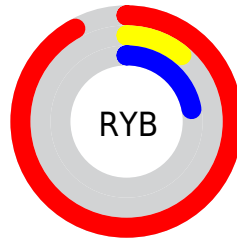
The Yxy color **18.7219, 0.5947, 0.3150** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **64.1599, 0.2370, 0.3670**, and the grayscale version is **10.8174, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.3337, 0.5041, 0.3277**, and **8.5751, 0.6311, 0.3250** is the 20% darker color. If you saturate the color by 10%, you get **17.8591, 0.6218, 0.3209**, and if you desaturate by 10%, it is **20.4995, 0.5566, 0.3108**.

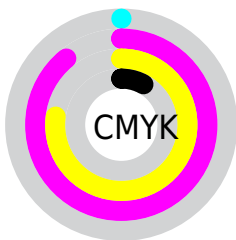
# Distribution



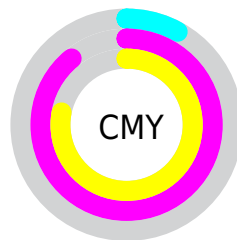
- Red (92%)
- Green (11%)
- Blue (22%)



- Red (92%)
- Yellow (11%)
- Blue (22%)



- Cyan (0%)
- Magenta (89%)
- Yellow (77%)
- Black (8%)




- Cyan (8%)
- Magenta (89%)
- Yellow (78%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 18.7219, 0.5947, 0.3150 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 18.7219, 0.5947, 0.3150 by changing the saturation by 10% instead.





 18.7219, 0.5947,  
0.3150


 18.7219, 0.5947,  
0.3150


244.9092, 0.4381,  
0.3379


 11.4695, 0.6347,  
0.3021


 41.2636, 0.5359,  
0.3283

 6.3836, 0.6841,  
0.2812


 57.3218, 0.5142,  
0.3318


 3.0797, 0.7509,  
0.2491

 77.0840, 0.4960,  
0.3340

 1.1735, 0.8094,  
0.1906

 100.9346, 0.4807,  
0.3355

 0.0399, 0.9828,  
0.0172

 129.2580, 0.4677,  
0.3365

 0.0000, 1.0000,  
0.0000

 162.4386, 0.4564,

 0.0000, 0.0000,

0.3372

0.0000

200.8609, 0.4467,  
0.3376

■ 18.7219, 0.5947,  
0.3150

■ 18.7219, 0.5947,  
0.3150

■ 17.8591, 0.6218,  
0.3209

■ 20.4995, 0.5566,  
0.3108


■ 17.7666, 0.6249,  
0.3216

■ 23.3981, 0.5129,  
0.3092

■ 27.5646, 0.4692,  
0.3099

■ 33.1228, 0.4295,  
0.3122

■ 40.1819, 0.3953,  
0.3154

 48.8399, 0.3671,  
0.3190

 59.1867, 0.3441,  
0.3226

 71.3054, 0.3256,  
0.3262

 85.2738, 0.3107,  
0.3295

# Harmonies

## Analogous

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



18.7219, 0.4926, 0.2390



18.7219, 0.5947, 0.3150



18.7219, 0.5788, 0.3996

# Triad

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



18.7219, 0.5947, 0.3150



18.7219, 0.2388, 0.6025



18.7219, 0.1229, 0.1310

# Complementary

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



18.7219, 0.5947, 0.3150



64.1599, 0.2370, 0.3670

# 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.



18.7219, 0.0921, 0.1583



18.7219, 0.5947, 0.3150



18.7219, 0.1397, 0.4185

# Square

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



18.7219, 0.5947, 0.3150



18.7219, 0.3625, 0.6073



18.7219, 0.0945, 0.2425



18.7219, 0.1962, 0.1380



# Rectangle

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



18.7219, 0.5947, 0.3150



18.7219, 0.5238, 0.4690



18.7219, 0.0945, 0.2425



18.7219, 0.1087, 0.1357

# Sweetspot

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



18.7231, 0.5947, 0.3150



60.4006, 0.3636, 0.3195



19.5919, 0.2872, 0.1398



12.0946, 0.3724, 0.3182



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.



18.7231, 0.5947, 0.3150



21.3776, 0.6256, 0.3220



26.8175, 0.5573, 0.3833



15.0871, 0.3272, 0.3259



9.8974, 0.6222, 0.3201



0.7877, 0.5905, 0.3026



# Inverse Universe

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



18.7231, 0.5947, 0.3150



21.3776, 0.6256, 0.3220



32.1430, 0.1974, 0.2234



15.0871, 0.3272, 0.3259



9.8974, 0.6222, 0.3201



0.7877, 0.5905, 0.3026



# Previews

## White Background



This preview shows how the Yxy color 18.7219, 0.5947, 0.3150 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 18.7219, 0.5947, 0.3150 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 18.7219, 0.5947, 0.3150**

## **Background**



This preview shows how black text looks on a background with the Yxy color 18.7219, 0.5947, 0.3150.



This preview shows how white text looks on a background with the Yxy color 18.7219, 0.5947, 0.3150.

# 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

18.7219, 0.5947, 0.3150

### Protanopia

19.1092, 0.3725, 0.4017

### Deuteranopia

19.0009, 0.4482, 0.4414



## Tritanopia

18.6688, 0.6163, 0.3316

# Trichromacy



## Original Color

18.7219, 0.5947, 0.3150

## Protanomaly

15.7193, 0.4682, 0.3515

## Deuteranomaly

16.3289, 0.5231, 0.3733

## Tritanomaly

18.6123, 0.6103, 0.3267

# Monochromacy



## Original Color

18.7219, 0.5947, 0.3150

## Achromatopsia

10.7023, 0.3127, 0.3290

## Achromatomaly

10.6280, 0.4372, 0.3102

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 18.7219, 0.5947, 0.3150 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(235, 27, 55)` looks like.

```
.text, #text, p{  
    color:rgb(235, 27, 55)  
}
```

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(235, 27, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 27, 55) }
```

## Border

The CSS property to change the border of an element to Yxy 18.7219, 0.5947, 0.3150 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(235, 27, 55) }
```

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

```
.border{ border-color:rgb(235, 27, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 27, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 27, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 27, 55);  
box-shadow:4px 4px 4px 4px rgb(235, 27,  
55) }
```



# Background

The CSS property to change the background color of an element to Yxy 18.7219, 0.5947, 0.3150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 27, 55) }
```

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

```
.background{ background-color: rgb(235, 27,  
55) }
```

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**