

Converting Colors

$Yxy(18.8407, 0.5993, 0.3145)$

Have a look what the booklet for
Yxy(18.8407, 0.5993, 0.3145)
contains.

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Color

Yxy(18.7979, 0.5998, 0.3147)

Conversions

Conversions Part 1

Format	Color
Hex	ED1535
RGB	237, 21, 53
RGB Percent	93%, 8%, 21%
CMY	0.0707, 0.9169, 0.7922
CMYK	0.00, 0.91, 0.78, 0.07
HSL	351°, 86%, 51%
HSV	351°, 91%, 93%
XYZ	35.8277, 18.7979, 5.1072
YIQ	89.2320, 118.4640, 55.7440

Conversions

Conversions Part 2

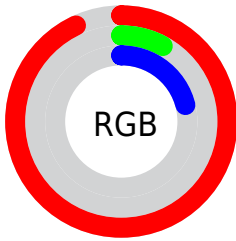
Format	Color
RYB	237, 21, 53
Decimal	15537461
CIELab	50.45, 74.76, 42.44
CIElCh	50, 85.970, 29.582
Yxy	18.7979, 0.5998, 0.3147
Android (android.graphics.Color)	4293727541 (0xFFED1535)
YUV	89.2320, -17.8624, 129.5925
Hunter-Lab	43.3565, 71.6296, 23.3656

Details

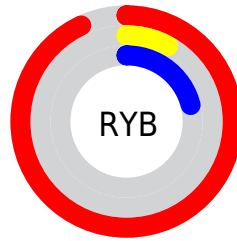
The Yxy color **18.7979, 0.5998, 0.3147** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **65.1265, 0.2379, 0.3722**, and the grayscale version is **10.0879, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.9155, 0.5079, 0.3278**, and **8.7926, 0.6334, 0.3263** is the 20% darker color. If you saturate the color by 10%, you get **18.1198, 0.6226, 0.3204**, and if you desaturate by 10%, it is **20.3505, 0.5639, 0.3097**.

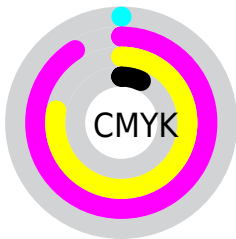
Distribution



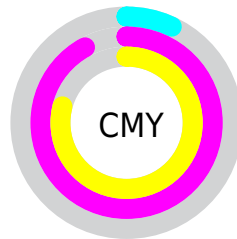
- Red (93%)
- Green (8%)
- Blue (21%)



- Red (93%)
- Yellow (8%)
- Blue (21%)



- Cyan (0%)
- Magenta (91%)
- Yellow (78%)
- Black (7%)





- Cyan (7%)
- Magenta (92%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.7979, 0.5998, 0.3147 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 18.7979, 0.5998, 0.3147 by changing the saturation by 10% instead.


 18.7979, 0.5998,
0.3147


 18.7979, 0.5998,
0.3147


245.3308, 0.4410,
0.3385


 11.5243, 0.6398,
0.3013


 41.3923, 0.5405,
0.3286


 6.4207, 0.6894,
0.2800


 57.4820, 0.5185,
0.3321

 3.1025, 0.7534,
0.2466

 77.2791, 0.5000,
0.3345

 1.1855, 0.8118,
0.1882

 101.1681, 0.4845,
0.3361

 0.0498, 0.9792,
0.0208

 129.5334, 0.4712,
0.3371

 0.0000, 1.0000,
0.0000

 162.7593, 0.4597,

 0.0000, 0.0000,

0.3378

0.0000

201.2303, 0.4498,
0.3382

■ 18.7979, 0.5998,
0.3147

■ 18.7979, 0.5998,
0.3147

■ 18.1198, 0.6226,
0.3204

■ 20.3505, 0.5639,
0.3097

■ 23.0012, 0.5212,
0.3073

■ 26.9073, 0.4776,
0.3076

■ 32.1996, 0.4372,
0.3098

■ 38.9926, 0.4021,
0.3131

■ 47.3885, 0.3729,
0.3170

■ 57.4809, 0.3490,
0.3210

■ 69.3559, 0.3297,
0.3249

■ 83.0939, 0.3142,
0.3286

Harmonies

Analogous

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



18.7979, 0.4979, 0.2383



18.7979, 0.5998, 0.3147



18.7979, 0.5810, 0.3999

Triad

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



18.7979, 0.5998, 0.3147



18.7979, 0.2350, 0.6073



18.7979, 0.1213, 0.1285

Complementary

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



18.7979, 0.5998, 0.3147



65.1265, 0.2379, 0.3722

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.



18.7979, 0.0899, 0.1552



18.7979, 0.5998, 0.3147



18.7979, 0.1359, 0.4172

Square

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



18.7979, 0.5998, 0.3147



18.7979, 0.3598, 0.6124



18.7979, 0.0916, 0.2389



18.7979, 0.1957, 0.1360

Rectangle

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



18.7979, 0.5998, 0.3147



18.7979, 0.5247, 0.4711



18.7979, 0.0916, 0.2389



18.7979, 0.1069, 0.1330

Sweetspot

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



18.7991, 0.5998, 0.3147



60.4402, 0.3628, 0.3186



19.5781, 0.2862, 0.1379



12.1037, 0.3715, 0.3172



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.



18.7991, 0.5998, 0.3147



21.3973, 0.6233, 0.3207



26.5497, 0.5645, 0.3813



15.0902, 0.3270, 0.3256



9.9075, 0.6197, 0.3187



0.7892, 0.5863, 0.3004

Inverse Universe

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



18.7991, 0.5998, 0.3147



21.3973, 0.6233, 0.3207



31.9193, 0.1959, 0.2200



15.0902, 0.3270, 0.3256



9.9075, 0.6197, 0.3187



0.7892, 0.5863, 0.3004

Previews

White Background



This preview shows how the Yxy color 18.7979, 0.5998, 0.3147 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 18.7979, 0.5998, 0.3147 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 18.7979, 0.5998, 0.3147

Background



This preview shows how black text looks on a background with the Yxy color 18.7979, 0.5998, 0.3147.



This preview shows how white text looks on a background with the Yxy color 18.7979, 0.5998, 0.3147.

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

18.7979, 0.5998, 0.3147

Protanopia

19.0792, 0.3749, 0.4054

Deuteranopia

19.0768, 0.4519, 0.4437



Tritanopia

18.7735, 0.6223, 0.3320

Trichromacy



Original Color

18.7979, 0.5998, 0.3147

Protanomaly

15.4852, 0.4747, 0.3512

Deuteranomaly

16.1266, 0.5300, 0.3731

Tritanomaly

18.6871, 0.6163, 0.3267

Monochromacy



Original Color

18.7979, 0.5998, 0.3147

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

10.0282, 0.4450, 0.3085

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7979, 0.5998, 0.3147 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(237, 21, 53)` looks like.

```
.text, #text, p{  
    color:rgb(237, 21, 53)  
}
```

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(237, 21, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 21, 53) }
```

Border

The CSS property to change the border of an element to Yxy 18.7979, 0.5998, 0.3147 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(237, 21, 53) }
```

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

```
.border{ border-color:rgb(237, 21, 53) }
```

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

Here you see how a box with a 4 pixel rgb(237, 21, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 21, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 21, 53);  
box-shadow:4px 4px 4px 4px rgb(237, 21,  
53) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7979, 0.5998, 0.3147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 21, 53) }
```

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

```
.background{ background-color: rgb(237, 21,  
53) }
```

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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