

Converting Colors

$Yxy(18.9774, 0.5809, 0.3019)$

Have a look what the booklet for
Yxy(18.9774, 0.5809, 0.3019)
contains.

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Color

Yxy(18.9774, 0.5809, 0.3019)

Conversions

Conversions Part 1

Format	Color
Hex	EE1045
RGB	238, 16, 69
RGB Percent	93%, 6%, 27%
CMY	0.0667, 0.9367, 0.7294
CMYK	0.00, 0.93, 0.71, 0.07
HSL	346°, 87%, 50%
HSV	346°, 93%, 93%
XYZ	36.5153, 18.9774, 7.3672
YIQ	88.4200, 115.2990, 63.5470

Conversions

Conversions Part 2

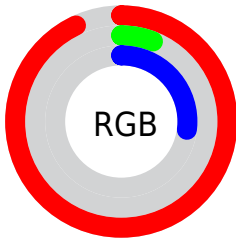
Format	Color
R_{YB}	238, 16, 69
Decimal	15601733
CIE Lab	50.66, 76.15, 33.43
CIE LCh	51, 83.167, 23.705
Yxy	18.9774, 0.5809, 0.3019
Android (android.graphics.Color)	4293791813 (0xFFEE1045)
YUV	88.4200, -9.5741, 131.1817
Hunter-Lab	43.5631, 73.3864, 20.4673

Details

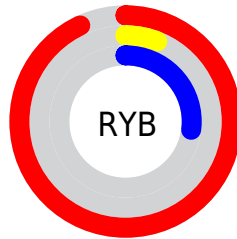
The Yxy color **18.9774, 0.5809, 0.3019** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **64.7594, 0.2461, 0.4030**, and the grayscale version is **9.8751, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2797, 0.4863, 0.3116**, and **8.9634, 0.6172, 0.3174** is the 20% darker color. If you saturate the color by 10%, you get **18.4668, 0.6002, 0.3080**, and if you desaturate by 10%, it is **20.3777, 0.5461, 0.2949**.

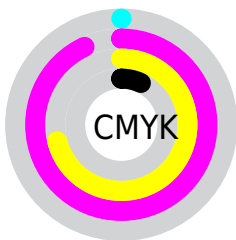
Distribution



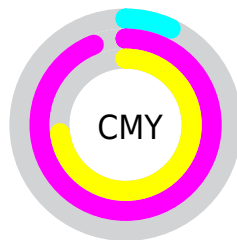
- Red (93%)
- Green (6%)
- Blue (27%)



- Red (93%)
- Yellow (6%)
- Blue (27%)



- Cyan (0%)
- Magenta (93%)
- Yellow (71%)
- Black (7%)



- Cyan (7%)
- Magenta (94%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9774, 0.5809, 0.3019 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 18.9774, 0.5809, 0.3019 by changing the saturation by 10% instead.


 18.9774, 0.5809,
0.3019


 18.9774, 0.5809,
0.3019


246.3240, 0.4305,
0.3287

 11.6539, 0.6209,
0.2894


 41.6959, 0.5235,
0.3157


 6.5085, 0.6717,
0.2697


 57.8598, 0.5026,
0.3196

 3.1567, 0.7468,
0.2415

 77.7392, 0.4853,
0.3224

 1.2141, 0.8137,
0.1863

 101.7186, 0.4708,
0.3245

 0.0731, 0.9712,
0.0288

 130.1824, 0.4584,
0.3260

 0.0000, 1.0000,
0.0000

 163.5150, 0.4478,

 0.0000, 0.0000,

0.3271

0.0000

202.1007, 0.4386,
0.3280

■ 18.9774, 0.5809,
0.3019

■ 18.9774, 0.5809,
0.3019

■ 18.4668, 0.6002,
0.3080


■ 20.3777, 0.5461,
0.2949


■ 22.8363, 0.5067,
0.2919


■ 26.5168, 0.4671,
0.2928


■ 31.5538, 0.4305,
0.2964

■ 38.0637, 0.3985,
0.3018

 46.1506, 0.3716,
0.3081

 55.9090, 0.3494,
0.3147

 67.4260, 0.3314,
0.3211

 80.7825, 0.3168,
0.3271

Harmonies

Analogous

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



18.9774, 0.4614, 0.2273



18.9774, 0.5809, 0.3019



18.9774, 0.5861, 0.3837

Triad

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



18.9774, 0.5809, 0.3019



18.9774, 0.2625, 0.6128



18.9774, 0.1167, 0.1352

Complementary

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



18.9774, 0.5809, 0.3019



64.7594, 0.2461, 0.4030

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.



18.9774, 0.0923, 0.1706



18.9774, 0.5809, 0.3019



18.9774, 0.1566, 0.4560

Square

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



18.9774, 0.5809, 0.3019



18.9774, 0.3864, 0.5893



18.9774, 0.1014, 0.2688



18.9774, 0.1805, 0.1365

Rectangle

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



18.9774, 0.5809, 0.3019



18.9774, 0.5390, 0.4486



18.9774, 0.1014, 0.2688



18.9774, 0.1048, 0.1421

Sweetspot

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



18.9786, 0.5809, 0.3019



59.5738, 0.3597, 0.3115



16.5556, 0.2618, 0.1237



11.7312, 0.3697, 0.3086



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.



18.9786, 0.5809, 0.3019



21.5943, 0.6011, 0.3085



22.7952, 0.5942, 0.3598



15.8206, 0.3256, 0.3234



10.3209, 0.5965, 0.3060



0.8736, 0.5599, 0.2858

Inverse Universe

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



18.9786, 0.5809, 0.3019



21.5943, 0.6011, 0.3085



39.9537, 0.2039, 0.2508



15.8206, 0.3256, 0.3234



10.3209, 0.5965, 0.3060



0.8736, 0.5599, 0.2858

Previews

White Background



This preview shows how the Yxy color 18.9774, 0.5809, 0.3019 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 18.9774, 0.5809, 0.3019 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 18.9774, 0.5809, 0.3019

Background



This preview shows how black text looks on a background with the Yxy color 18.9774, 0.5809, 0.3019.



This preview shows how white text looks on a background with the Yxy color 18.9774, 0.5809, 0.3019.

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

18.9774, 0.5809, 0.3019

Protanopia

19.2232, 0.3443, 0.3649

Deuteranopia

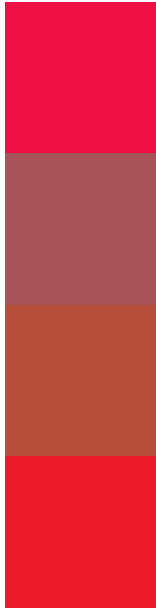
19.2702, 0.4310, 0.4245



Tritanopia

19.0636, 0.6192, 0.3314

Trichromacy



Original Color

18.9774, 0.5809, 0.3019

Protanomaly

15.2495, 0.4408, 0.3188

Deuteranomaly

16.0193, 0.5076, 0.3535

Tritanomaly

18.9105, 0.6096, 0.3228

Monochromacy



Original Color

18.9774, 0.5809, 0.3019

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

9.8790, 0.4360, 0.2963

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9774, 0.5809, 0.3019 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(238, 16, 69)` looks like.

```
.text, #text, p{  
    color:rgb(238, 16, 69)  
}
```

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(238, 16, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 16, 69) }
```

Border

The CSS property to change the border of an element to Yxy 18.9774, 0.5809, 0.3019 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(238, 16, 69) }
```

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

```
.border{ border-color:rgb(238, 16, 69) }
```

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

Here you see how a box with a 4 pixel rgb(238, 16, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 16, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 16, 69);  
box-shadow:4px 4px 4px 4px rgb(238, 16,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9774, 0.5809, 0.3019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 16, 69) }
```

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

```
.background{ background-color: rgb(238, 16,  
69) }
```

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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