

Converting Colors

$Yxy(18.0456, 0.6378, 0.3287)$

Have a look what the booklet for
Yxy(18.0456, 0.6378, 0.3287)
contains.

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Color

Yxy(18.0199, 0.6378, 0.3287)

Conversions

Conversions Part 1

Format	Color
Hex	ED0007
RGB	237, 0, 7
RGB Percent	93%, 0%, 3%
CMY	0.0706, 1.0000, 0.9725
CMYK	0.00, 1.00, 0.97, 0.07
HSL	358°, 100%, 46%
HSV	358°, 100%, 93%
XYZ	34.9653, 18.0199, 1.8365
YIQ	71.6610, 139.0050, 52.4210

Conversions

Conversions Part 2

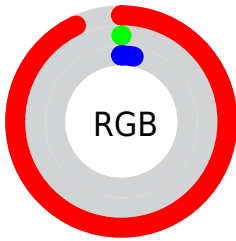
Format	Color
RYB	237, 0, 7
Decimal	15532039
CIELab	49.52, 75.85, 61.67
CIELCh	50, 97.759, 39.115
Yxy	18.0199, 0.6378, 0.3287
Android (android.graphics.Color)	4293722119 (0xFFED0007)
YUV	71.6610, -31.8779, 145.0023
Hunter-Lab	42.4499, 72.7405, 27.1498

Details

The Yxy color **18.0199, 0.6378, 0.3287** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark washed red. A complement of this color would be **66.2854, 0.2272, 0.3379**, and the grayscale version is **6.4576, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.4256, 0.5536, 0.3541**, and **8.5460, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **18.0210, 0.6378, 0.3287**, and if you desaturate by 10%, it is **18.7405, 0.6203, 0.3276**.

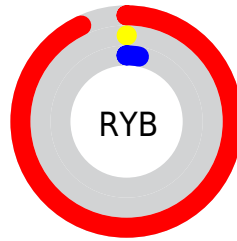
Distribution



Red (93%)

Green (0%)

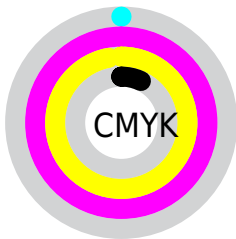
Blue (3%)



Red (93%)

Yellow (0%)

Blue (3%)

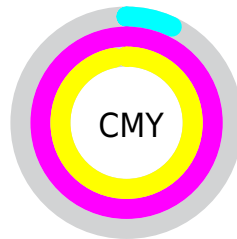


Cyan (0%)

Magenta (100%)

Yellow (97%)

Black (7%)



Cyan (7%)


Magenta (100%)


Yellow (97%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0199, 0.6378, 0.3287 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 18.0199, 0.6378, 0.3287 by changing the saturation by 10% instead.


 18.0199, 0.6378,
0.3287


 18.0199, 0.6378,
0.3287


 240.9832, 0.4669,
0.3561


 10.9643, 0.6758,
0.3113


 40.0712, 0.5784,
0.3472

 6.0428, 0.7170,
0.2830

 55.8357, 0.5548,
0.3515

 2.8711, 0.7607,
0.2393

 75.2720, 0.5346,
0.3541

 1.0648, 0.8209,
0.1791

 98.7644, 0.5171,
0.3555

 0.0000, 1.0000,
0.0000


 126.6973, 0.5019,
0.3563


 0.0000, 0.0000,
0.0000


 159.4551, 0.4887,

0.3565

 197.4223, 0.4771,
0.3564

 18.0199, 0.6378,
0.3287

 18.0199, 0.6378,
0.3287

 18.0210, 0.6378,
0.3287

 18.7405, 0.6203,
0.3276

 20.3282, 0.5876,
0.3263

 23.0473, 0.5437,
0.3255

 27.0560, 0.4961,
0.3253

 32.4873, 0.4508,
0.3256

■ 39.4577, 0.4111,
0.3261

■ 48.0717, 0.3781,
0.3268

■ 58.4248, 0.3513,
0.3276

■ 70.6049, 0.3299,
0.3283

Harmonies

Analogous

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



18.0199, 0.5746, 0.2503



18.0199, 0.6378, 0.3287



18.0199, 0.5740, 0.4260

Triad

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



18.0199, 0.6378, 0.3287



18.0199, 0.1779, 0.6044



18.0199, 0.1231, 0.1104

Complementary

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



18.0199, 0.6378, 0.3287



66.2854, 0.2272, 0.3379

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.



18.0199, 0.0792, 0.1237



18.0199, 0.6378, 0.3287



18.0199, 0.0944, 0.3482

Square

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



18.0199, 0.6378, 0.3287



18.0199, 0.3044, 0.6708



18.0199, 0.0689, 0.1854



18.0199, 0.2203, 0.1282

Rectangle

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



18.0199, 0.6378, 0.3287



18.0199, 0.4913, 0.5087



18.0199, 0.0689, 0.1854



18.0199, 0.1039, 0.1111

Sweetspot

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



18.0211, 0.6378, 0.3287



56.6265, 0.3785, 0.3268



22.7904, 0.3125, 0.1495



11.1488, 0.3917, 0.3265



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.



18.0211, 0.6378, 0.3287



21.2765, 0.6380, 0.3288



29.2884, 0.5529, 0.3992



15.0613, 0.3288, 0.3283



9.8415, 0.6369, 0.3282



0.7753, 0.6283, 0.3235

Inverse Universe

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



18.0211, 0.6378, 0.3287



21.2765, 0.6380, 0.3288



21.1402, 0.1796, 0.1665



15.0613, 0.3288, 0.3283



9.8415, 0.6369, 0.3282



0.7753, 0.6283, 0.3235

Previews

White Background



This preview shows how the Yxy color 18.0199, 0.6378, 0.3287 looks on a white 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

Black Background



This preview shows how the Yxy color 18.0199, 0.6378, 0.3287 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 18.0199, 0.6378, 0.3287

Background



This preview shows how black text looks on a background with the Yxy color 18.0199, 0.6378, 0.3287.



This preview shows how white text looks on a background with the Yxy color 18.0199, 0.6378, 0.3287.

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

18.0199, 0.6378, 0.3287

Protanopia

18.6056, 0.4257, 0.4712

Tritanopia

18.2360, 0.6341, 0.3347

Trichromacy



Original Color

18.0199, 0.6378, 0.3287

Protanomaly

13.8887, 0.5444, 0.3870

Tritanomaly

18.1535, 0.6358, 0.3320

Monochromacy



Original Color

18.0199, 0.6378, 0.3287

Achromatopsia

6.4803, 0.3127, 0.3290

Achromatomaly

7.0729, 0.5086, 0.3262

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0199, 0.6378, 0.3287 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, 0, 7)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 7)  
}
```

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, 0, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 7) }
```

Border

The CSS property to change the border of an element to Yxy 18.0199, 0.6378, 0.3287 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, 0, 7) }
```

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

```
.border{ border-color:rgb(237, 0, 7) }
```

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

Here you see how a box with a 4 pixel rgb(237, 0, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 7); -webkit-box-shadow:4px  
4px 4px 4px rgb(237, 0, 7); box-shadow:4px  
4px 4px 4px rgb(237, 0, 7) }
```

Background

The CSS property to change the background color of an element to Yxy 18.0199, 0.6378, 0.3287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 0, 7) }
```

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

```
.background{ background-color: rgb(237, 0,  
7) }
```

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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