

Converting Colors

$Yxy(18.3835, 0.6358, 0.3276)$

Have a look what the booklet for
Yxy(18.3835, 0.6358, 0.3276)
contains.

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Color

Yxy(18.3798, 0.6358, 0.3276)

Conversions

Conversions Part 1

Format	Color
Hex	EF000D
RGB	239, 0, 13
RGB Percent	94%, 0%, 5%
CMY	0.0627, 1.0000, 0.9484
CMYK	0.00, 1.00, 0.94, 0.06
HSL	357°, 100%, 47%
HSV	357°, 100%, 94%
XYZ	35.6712, 18.3798, 2.0534
YIQ	72.9430, 138.2710, 54.7110

Conversions

Conversions Part 2

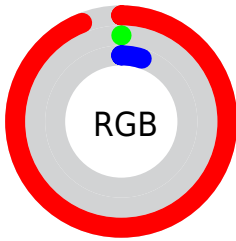
Format	Color
R_{YB}	239, 0, 13
Decimal	15663117
CIE _{Lab}	49.95, 76.38, 60.48
CIE _{LCh}	50, 97.421, 38.373
Yxy	18.3798, 0.6358, 0.3276
Android (android.graphics.Color)	4293853197 (0xFFEF000D)
YUV	72.9430, -29.5519, 145.6320
Hunter-Lab	42.8717, 73.4947, 27.1704

Details

The Yxy color **18.3798, 0.6358, 0.3276** 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 **67.2186, 0.2295, 0.3460**, and the grayscale version is **6.6906, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.4589, 0.5509, 0.3522**, and **8.7707, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **18.3808, 0.6358, 0.3276**, and if you desaturate by 10%, it is **19.1266, 0.6163, 0.3253**.

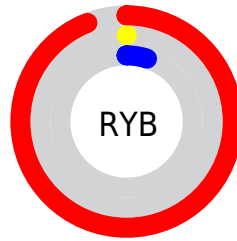
Distribution



Red (94%)

Green (0%)

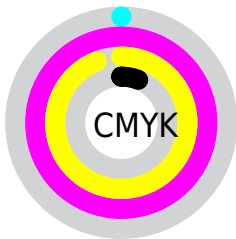
Blue (5%)



Red (94%)

Yellow (0%)

Blue (5%)

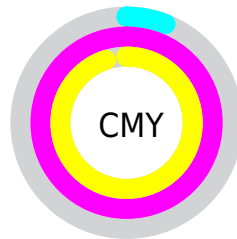


Cyan (0%)

Magenta (100%)

Yellow (94%)

Black (6%)



Cyan (6%)


Magenta (100%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3798, 0.6358, 0.3276 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 18.3798, 0.6358, 0.3276 by changing the saturation by 10% instead.


 18.3798, 0.6358,
0.3276


 18.3798, 0.6358,
0.3276


243.0032, 0.4655,
0.3547


 11.2230, 0.6734,
0.3104


 40.6834, 0.5764,
0.3456


 6.2170, 0.7166,
0.2834

 56.5991, 0.5529,
0.3499


 2.9775, 0.7597,
0.2403

 76.2031, 0.5327,
0.3524

 1.1200, 0.8191,
0.1809

 99.8799, 0.5153,
0.3539


 0.0000, 1.0000,
0.0000


 128.0140, 0.5003,
0.3547

 0.0000, 0.0000,
0.0000

 160.9896, 0.4872,

0.3549

 199.1912, 0.4757,
0.3549


 18.3798, 0.6358,
0.3276


 18.3798, 0.6358,
0.3276


 18.3808, 0.6358,
0.3276

 19.1266, 0.6163,
0.3253

 20.7584, 0.5823,
0.3230

 23.5413, 0.5383,
0.3218

 27.6353, 0.4913,
0.3216

 33.1752, 0.4471,
0.3223

■ 40.2790, 0.4085,
0.3234

■ 49.0527, 0.3764,
0.3248

■ 59.5929, 0.3503,
0.3262

■ 71.9889, 0.3294,
0.3277

Harmonies

Analogous

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



18.3798, 0.5688, 0.2493



18.3798, 0.6358, 0.3276



18.3798, 0.5759, 0.4241

Triad

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



18.3798, 0.6358, 0.3276



18.3798, 0.1823, 0.6062



18.3798, 0.1227, 0.1115

Complementary

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



18.3798, 0.6358, 0.3276



67.2186, 0.2295, 0.3460

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.



18.3798, 0.0798, 0.1258



18.3798, 0.6358, 0.3276



18.3798, 0.0972, 0.3541

Square

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



18.3798, 0.6358, 0.3276



18.3798, 0.3090, 0.6663



18.3798, 0.0703, 0.1892



18.3798, 0.2179, 0.1285

Rectangle

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



18.3798, 0.6358, 0.3276



18.3798, 0.4946, 0.5054



18.3798, 0.0703, 0.1892



18.3798, 0.1038, 0.1125

Sweetspot

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



18.3810, 0.6358, 0.3276



56.7068, 0.3767, 0.3248



21.9316, 0.3040, 0.1448



11.1670, 0.3896, 0.3242



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.



18.3810, 0.6358, 0.3276



21.2918, 0.6361, 0.3278



28.1662, 0.5628, 0.3913



15.7729, 0.3285, 0.3277



10.1631, 0.6343, 0.3268



0.8504, 0.6194, 0.3186

Inverse Universe

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



18.3810, 0.6358, 0.3276



21.2918, 0.6361, 0.3278



23.6829, 0.1828, 0.1781



15.7729, 0.3285, 0.3277



10.1631, 0.6343, 0.3268



0.8504, 0.6194, 0.3186

Previews

White Background



This preview shows how the Yxy color 18.3798, 0.6358, 0.3276 looks on a white background.

Color Contrast Check

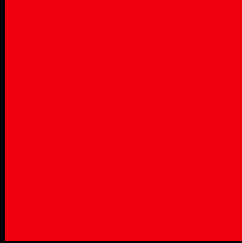
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.3798, 0.6358, 0.3276 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 18.3798, 0.6358, 0.3276

Background



This preview shows how black text looks on a background with the Yxy color 18.3798, 0.6358, 0.3276.



This preview shows how white text looks on a background with the Yxy color 18.3798, 0.6358, 0.3276.

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

18.3798, 0.6358, 0.3276

Protanopia

18.9470, 0.4238, 0.4687

Deuteranopia

18.9369, 0.4692, 0.4657



Tritanopia

18.5783, 0.6342, 0.3346

Trichromacy



Original Color

18.3798, 0.6358, 0.3276



Protanomaly

14.2711, 0.5415, 0.3848



Deuteranomaly

14.9664, 0.5685, 0.3837



Tritanomaly

18.5022, 0.6353, 0.3316

Monochromacy



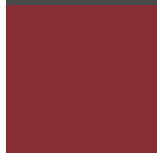
Original Color

18.3798, 0.6358, 0.3276



Achromatopsia

6.6626, 0.3127, 0.3290



Achromatomaly

7.1796, 0.5032, 0.3212

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3798, 0.6358, 0.3276 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(239, 0, 13)` looks like.

```
.text, #text, p{  
    color:rgb(239, 0, 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(239, 0, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 0, 13) }
```

Border

The CSS property to change the border of an element to Yxy 18.3798, 0.6358, 0.3276 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(239, 0, 13) }
```

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

```
.border{ border-color:rgb(239, 0, 13) }
```

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

Here you see how a box with a 4 pixel rgb(239, 0, 13) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 0, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 0, 13);  
box-shadow:4px 4px 4px 4px rgb(239, 0, 13)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.3798, 0.6358, 0.3276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 0, 13) }
```

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

```
.background{ background-color: rgb(239, 0,  
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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