

Converting Colors

$Y_{xy}(18.7890, 0.6192, 0.3235)$

Have a look what the booklet for
Yxy(18.7890, 0.6192, 0.3235)
contains.

Yxy(18.8427, 0.6195, 0.3235)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(18.8427, 0.6195, 0.3235)

Conversions

Conversions Part 1

Format	Color
Hex	EF1023
RGB	239, 16, 35
RGB Percent	94%, 6%, 14%
CMY	0.0628, 0.9369, 0.8630
CMYK	0.00, 0.93, 0.85, 0.06
HSL	355°, 87%, 50%
HSV	355°, 93%, 94%
XYZ	36.0836, 18.8427, 3.3200
YIQ	84.8430, 126.8090, 53.1850

Conversions

Conversions Part 2

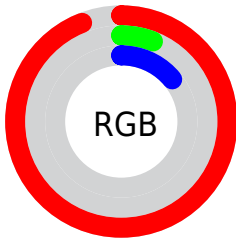
Format	Color
R_{YB}	239, 16, 35
Decimal	15667235
CIE _{Lab}	50.50, 75.39, 52.18
CIE _{LCh}	51, 91.688, 34.686
Yxy	18.8427, 0.6195, 0.3235
Android (android.graphics.Color)	4293857315 (0xFFEF1023)
YUV	84.8430, -24.5726, 135.1957
Hunter-Lab	43.4082, 72.4162, 25.8510

Details

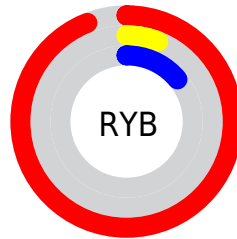
The Yxy color **18.8427, 0.6195, 0.3235** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **67.0163, 0.2323, 0.3537**, and the grayscale version is **9.0905, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4186, 0.5295, 0.3424**, and **8.8842, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **18.4012, 0.6327, 0.3259**, and if you desaturate by 10%, it is **20.1598, 0.5884, 0.3198**.

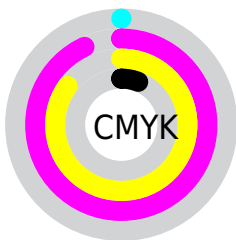
Distribution



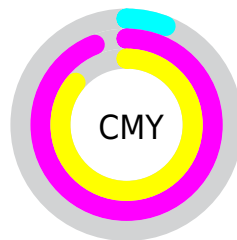
- Red (94%)
- Green (6%)
- Blue (14%)



- Red (94%)
- Yellow (6%)
- Blue (14%)



- Cyan (0%)
- Magenta (93%)
- Yellow (85%)
- Black (6%)





- Cyan (6%)
- Magenta (94%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8427, 0.6195, 0.3235 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 18.8427, 0.6195, 0.3235 by changing the saturation by 10% instead.


 18.8427, 0.6195,
0.3235


 18.8427, 0.6195,
0.3235


245.5790, 0.4539,
0.3475


 11.5567, 0.6581,
0.3083


 41.4681, 0.5597,
0.3389

 6.4426, 0.7115,
0.2872


 57.5763, 0.5367,
0.3426


 3.1160, 0.7547,
0.2453

 77.3940, 0.5173,
0.3449

 1.1926, 0.8130,
0.1870

 101.3056, 0.5008,
0.3463

 0.0556, 0.9773,
0.0227

 129.6955, 0.4865,
0.3471

 0.0000, 1.0000,
0.0000


 162.9481, 0.4742,

 0.0000, 0.0000,

0.3475


0.0000


 201.4478, 0.4634,
0.3476


 18.8427, 0.6195,
0.3235


 18.8427, 0.6195,
0.3235


 18.4012, 0.6327,
0.3259

 20.1598, 0.5884,
0.3198

 22.5632, 0.5465,
0.3176

 26.2244, 0.5005,
0.3171

 31.2838, 0.4562,
0.3179

 37.8633, 0.4169,
0.3196

■ 46.0716, 0.3839,
0.3217

■ 56.0073, 0.3568,
0.3240

■ 67.7612, 0.3351,
0.3262

■ 81.4178, 0.3176,
0.3283

Harmonies

Analogous

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



18.8427, 0.5358, 0.2458



18.8427, 0.6195, 0.3235



18.8427, 0.5789, 0.4146

Triad

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



18.8427, 0.6195, 0.3235



18.8427, 0.2067, 0.6054



18.8427, 0.1231, 0.1198

Complementary

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



18.8427, 0.6195, 0.3235



67.0163, 0.2323, 0.3537

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.



18.8427, 0.0852, 0.1393



18.8427, 0.6195, 0.3235



18.8427, 0.1148, 0.3821

Square

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



18.8427, 0.6195, 0.3235



18.8427, 0.3327, 0.6396



18.8427, 0.0804, 0.2112



18.8427, 0.2085, 0.1328

Rectangle

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



18.8427, 0.6195, 0.3235



18.8427, 0.5092, 0.4908



18.8427, 0.0804, 0.2112



18.8427, 0.1062, 0.1223

Sweetspot

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



18.8439, 0.6195, 0.3235



59.0769, 0.3692, 0.3229



21.3111, 0.2972, 0.1430



11.6160, 0.3814, 0.3219



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.



18.8439, 0.6195, 0.3235



21.3163, 0.6330, 0.3261



28.5411, 0.5572, 0.3901



15.7805, 0.3280, 0.3270



10.1770, 0.6307, 0.3248



0.8540, 0.6090, 0.3128

Inverse Universe

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



18.8439, 0.6195, 0.3235



21.3163, 0.6330, 0.3261



28.1010, 0.1899, 0.2001



15.7805, 0.3280, 0.3270



10.1770, 0.6307, 0.3248



0.8540, 0.6090, 0.3128

Previews

White Background



This preview shows how the Yxy color 18.8427, 0.6195, 0.3235 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 18.8427, 0.6195, 0.3235 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 18.8427, 0.6195, 0.3235

Background



This preview shows how black text looks on a background with the Yxy color 18.8427, 0.6195, 0.3235.



This preview shows how white text looks on a background with the Yxy color 18.8427, 0.6195, 0.3235.

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

18.8427, 0.6195, 0.3235

Protanopia

19.0385, 0.4041, 0.4420

Deuteranopia

19.0338, 0.4704, 0.4647



Tritanopia

18.8958, 0.6334, 0.3335

Trichromacy



Original Color

18.8427, 0.6195, 0.3235

Protanomaly

15.1789, 0.5091, 0.3740

Deuteranomaly

15.8114, 0.5563, 0.3886

Tritanomaly

18.8510, 0.6305, 0.3309

Monochromacy



Original Color

18.8427, 0.6195, 0.3235

Achromatopsia

9.0842, 0.3127, 0.3290

Achromatomaly

9.2997, 0.4646, 0.3174

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8427, 0.6195, 0.3235 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, 16, 35)` looks like.

```
.text, #text, p{  
    color:rgb(239, 16, 35)  
}
```

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, 16, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 16, 35) }
```

Border

The CSS property to change the border of an element to Yxy 18.8427, 0.6195, 0.3235 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, 16, 35) }
```

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

```
.border{ border-color:rgb(239, 16, 35) }
```

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

Here you see how a box with a 4 pixel rgb(239, 16, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 16, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 16, 35);  
box-shadow:4px 4px 4px 4px rgb(239, 16,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8427, 0.6195, 0.3235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 16, 35) }
```

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

```
.background{ background-color: rgb(239, 16,  
35) }
```

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