

Converting Colors

$Yxy(18.3812, 0.6115, 0.3227)$

Have a look what the booklet for
Yxy(18.3812, 0.6115, 0.3227)
contains.

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Color

Yxy(18.4686, 0.6117, 0.3231)

Conversions

Conversions Part 1

Format	Color
Hex	EB1828
RGB	235, 24, 40
RGB Percent	92%, 9%, 16%
CMY	0.0785, 0.9054, 0.8432
CMYK	0.00, 0.90, 0.83, 0.08
HSL	355°, 84%, 51%
HSV	355°, 90%, 92%
XYZ	34.9652, 18.4686, 3.7269
YIQ	88.9130, 120.6200, 49.7080

Conversions

Conversions Part 2

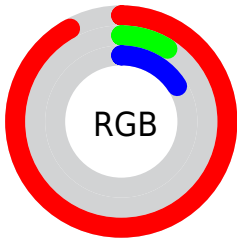
Format	Color
R_{YB}	235, 24, 40
Decimal	15407144
CIE Lab	50.06, 73.52, 48.96
CIE LCh	50, 88.333, 33.659
Yxy	18.4686, 0.6117, 0.3231
Android (android.graphics.Color)	4293597224 (0xFFEB1828)
YUV	88.9130, -24.1141, 128.1183
Hunter-Lab	42.9751, 70.0237, 24.9408

Details

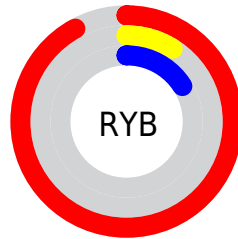
The Yxy color **18.4686, 0.6117, 0.3231** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **64.7213, 0.2319, 0.3500**, and the grayscale version is **10.0181, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.8718, 0.5224, 0.3401**, and **8.4350, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.7165, 0.6332, 0.3264**, and if you desaturate by 10%, it is **20.0859, 0.5764, 0.3202**.

Distribution



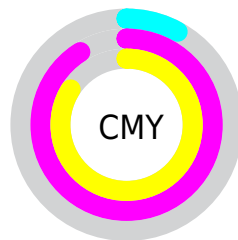
- Red (92%)
- Green (9%)
- Blue (16%)



- Red (92%)
- Yellow (9%)
- Blue (16%)



- Cyan (0%)
- Magenta (90%)
- Yellow (83%)
- Black (8%)





- Cyan (8%)
- Magenta (91%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.4686, 0.6117, 0.3231 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 18.4686, 0.6117, 0.3231 by changing the saturation by 10% instead.


 18.4686, 0.6117,
0.3231

 18.4686, 0.6117,
0.3231


243.4992, 0.4484,
0.3456


 11.2869, 0.6509,
0.3087


 40.8342, 0.5519,
0.3375

 6.2602, 0.7033,
0.2875


 56.7869, 0.5292,
0.3410

 3.0039, 0.7523,
0.2477

 76.4321, 0.5102,
0.3431

 1.1338, 0.8115,
0.1885

 100.1542, 0.4940,
0.3444

 0.0066, 0.9970,
0.0030

 128.3376, 0.4801,
0.3452

 0.0000, 1.0000,
0.0000


 161.3666, 0.4681,


 0.0000, 0.0000,


0.3455


0.0000


 199.6257, 0.4576,
0.3456


 18.4686, 0.6117,
0.3231


 18.4686, 0.6117,
0.3231


 17.7165, 0.6332,
0.3264


 20.0859, 0.5764,
0.3202


 17.7011, 0.6337,
0.3264


 22.8110, 0.5322,
0.3187


 26.7968, 0.4860,
0.3187


 32.1712, 0.4428,
0.3197

 39.0465, 0.4054,
0.3213

 47.5233, 0.3742,
0.3232

 57.6938, 0.3489,
0.3253

 69.6428, 0.3286,
0.3272

 83.4499, 0.3123,
0.3290

Harmonies

Analogous

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



18.4686, 0.5245, 0.2457



18.4686, 0.6117, 0.3231



18.4686, 0.5767, 0.4121

Triad

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



18.4686, 0.6117, 0.3231



18.4686, 0.2148, 0.6006



18.4686, 0.1247, 0.1237

Complementary

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



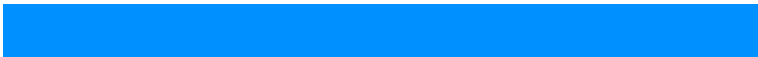
18.4686, 0.6117, 0.3231



64.7213, 0.2319, 0.3500

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.



18.4686, 0.0882, 0.1447



18.4686, 0.6117, 0.3231



18.4686, 0.1216, 0.3889

Square

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



18.4686, 0.6117, 0.3231



18.4686, 0.3398, 0.6297



18.4686, 0.0849, 0.2188



18.4686, 0.2073, 0.1355

Rectangle

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



18.4686, 0.6117, 0.3231



18.4686, 0.5126, 0.4874



18.4686, 0.0849, 0.2188



18.4686, 0.1083, 0.1265

Sweetspot

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



18.4698, 0.6117, 0.3231



60.2170, 0.3671, 0.3238



21.4693, 0.3019, 0.1471



12.0527, 0.3765, 0.3231



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.



18.4698, 0.6117, 0.3231



21.3076, 0.6341, 0.3267



29.3084, 0.5439, 0.3964



15.0724, 0.3281, 0.3273



9.8605, 0.6318, 0.3254



0.7807, 0.6111, 0.3140

Inverse Universe

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



18.4698, 0.6117, 0.3231



21.3076, 0.6341, 0.3267



27.0976, 0.1908, 0.2002



15.0724, 0.3281, 0.3273



9.8605, 0.6318, 0.3254



0.7807, 0.6111, 0.3140

Previews

White Background



This preview shows how the Yxy color 18.4686, 0.6117, 0.3231 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 18.4686, 0.6117, 0.3231 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 18.4686, 0.6117, 0.3231

Background



This preview shows how black text looks on a background with the Yxy color 18.4686, 0.6117, 0.3231.



This preview shows how white text looks on a background with the Yxy color 18.4686, 0.6117, 0.3231.

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

18.4686, 0.6117, 0.3231

Protanopia

18.6974, 0.3962, 0.4325

Deuteranopia

18.7474, 0.4659, 0.4582



Tritanopia

18.5468, 0.6237, 0.3323

Trichromacy



Original Color

18.4686, 0.6117, 0.3231

Protanomaly

15.2079, 0.4953, 0.3710

Deuteranomaly

15.9001, 0.5450, 0.3867

Tritanomaly

18.5299, 0.6200, 0.3295

Monochromacy



Original Color

18.4686, 0.6117, 0.3231

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

9.9863, 0.4530, 0.3189

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4686, 0.6117, 0.3231 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(235, 24, 40)` looks like.

```
.text, #text, p{  
  color:rgb(235, 24, 40)  
}
```

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(235, 24, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 24, 40) }
```

Border

The CSS property to change the border of an element to Yxy 18.4686, 0.6117, 0.3231 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(235, 24, 40) }
```

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

```
.border{ border-color:rgb(235, 24, 40) }
```

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

Here you see how a box with a 4 pixel rgb(235, 24, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 24, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 24, 40);  
box-shadow:4px 4px 4px 4px rgb(235, 24,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4686, 0.6117, 0.3231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 24, 40) }
```

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

```
.background{ background-color: rgb(235, 24,  
40) }
```

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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