

Converting Colors

$Y_{xy}(18.8767, 0.6117, 0.3213)$

Have a look what the booklet for
Yxy(18.8767, 0.6117, 0.3213)
contains.

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Color

Yxy(18.8806, 0.6117, 0.3213)

Conversions

Conversions Part 1

Format	Color
Hex	EE152A
RGB	238, 21, 42
RGB Percent	93%, 8%, 16%
CMY	0.0667, 0.9175, 0.8354
CMYK	0.00, 0.91, 0.82, 0.07
HSL	354°, 86%, 51%
HSV	354°, 91%, 93%
XYZ	35.9454, 18.8806, 3.9371
YIQ	88.2770, 122.5910, 52.5350

Conversions

Conversions Part 2

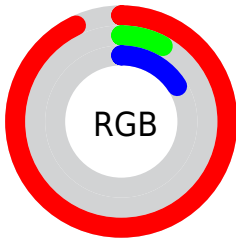
Format	Color
R_{YB}	238, 21, 42
Decimal	15602986
CIE Lab	50.55, 74.74, 48.60
CIE LCh	51, 89.151, 33.035
Yxy	18.8806, 0.6117, 0.3213
Android (android.graphics.Color)	4293793066 (0xFFEE152A)
YUV	88.2770, -22.8146, 131.3071
Hunter-Lab	43.4518, 71.6231, 25.0441

Details

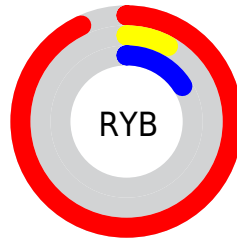
The Yxy color **18.8806, 0.6117, 0.3213** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **66.3220, 0.2335, 0.3567**, and the grayscale version is **9.8580, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.7166, 0.5209, 0.3375**, and **8.7707, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **18.2386, 0.6311, 0.3250**, and if you desaturate by 10%, it is **20.4059, 0.5773, 0.3175**.

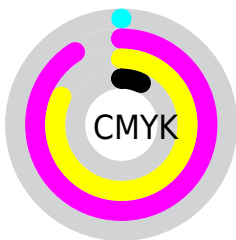
Distribution



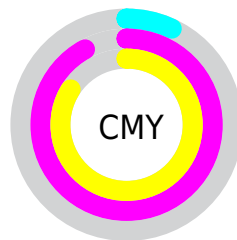
- Red (93%)
- Green (8%)
- Blue (16%)



- Red (93%)
- Yellow (8%)
- Blue (16%)



- Cyan (0%)
- Magenta (91%)
- Yellow (82%)
- Black (7%)





- Cyan (7%)
- Magenta (92%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.8806, 0.6117, 0.3213 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 18.8806, 0.6117, 0.3213 by changing the saturation by 10% instead.


 18.8806, 0.6117,
0.3213


 18.8806, 0.6117,
0.3213


245.7888, 0.4487,
0.3445

 11.5840, 0.6509,
0.3070


 41.5322, 0.5521,
0.3358


 6.4611, 0.7018,
0.2856


 57.6561, 0.5295,
0.3394


 3.1274, 0.7529,
0.2471

 77.4912, 0.5104,
0.3416

 1.1986, 0.8111,
0.1889

 101.4219, 0.4942,
0.3430

 0.0606, 0.9751,
0.0249

 129.8326, 0.4804,
0.3438

 0.0000, 1.0000,
0.0000

 163.1078, 0.4684,

 0.0000, 0.0000,

0.3443

0.0000

201.6317, 0.4579,
0.3445

■ 18.8806, 0.6117,
0.3213

■ 18.8806, 0.6117,
0.3213

■ 18.2386, 0.6311,
0.3250

■ 20.4059, 0.5773,
0.3175

■ 23.0449, 0.5341,
0.3155

■ 26.9588, 0.4884,
0.3154

■ 32.2818, 0.4455,
0.3166

■ 39.1311, 0.4081,
0.3187

■ 47.6115, 0.3768,
0.3212

■ 57.8186, 0.3513,
0.3238

■ 69.8406, 0.3308,
0.3263

■ 83.7598, 0.3144,
0.3287

Harmonies

Analogous

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



18.8806, 0.5218, 0.2440



18.8806, 0.6117, 0.3213



18.8806, 0.5785, 0.4098

Triad

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



18.8806, 0.6117, 0.3213



18.8806, 0.2170, 0.6042



18.8806, 0.1233, 0.1235

Complementary

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



18.8806, 0.6117, 0.3213



66.3220, 0.2335, 0.3567

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.



18.8806, 0.0876, 0.1453



18.8806, 0.6117, 0.3213



18.8806, 0.1227, 0.3936

Square

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



18.8806, 0.6117, 0.3213



18.8806, 0.3424, 0.6287



18.8806, 0.0849, 0.2210



18.8806, 0.2048, 0.1347

Rectangle

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



18.8806, 0.6117, 0.3213



18.8806, 0.5150, 0.4850



18.8806, 0.0849, 0.2210



18.8806, 0.1072, 0.1266

Sweetspot

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



18.8818, 0.6117, 0.3213



60.2819, 0.3658, 0.3222



21.3561, 0.2977, 0.1442



12.0675, 0.3750, 0.3213



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.



18.8818, 0.6117, 0.3213



21.3284, 0.6315, 0.3253



28.9196, 0.5520, 0.3918



15.7836, 0.3278, 0.3268



10.1837, 0.6290, 0.3239



0.8555, 0.6049, 0.3106

Inverse Universe

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



18.8818, 0.6117, 0.3213



21.3284, 0.6315, 0.3253



28.5359, 0.1913, 0.2033



15.7836, 0.3278, 0.3268



10.1837, 0.6290, 0.3239



0.8555, 0.6049, 0.3106

Previews

White Background



This preview shows how the Yxy color 18.8806, 0.6117, 0.3213 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 18.8806, 0.6117, 0.3213 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 18.8806, 0.6117, 0.3213

Background



This preview shows how black text looks on a background with the Yxy color 18.8806, 0.6117, 0.3213.



This preview shows how white text looks on a background with the Yxy color 18.8806, 0.6117, 0.3213.

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

18.8806, 0.6117, 0.3213

Protanopia

19.1364, 0.3948, 0.4280

Deuteranopia

19.0843, 0.4640, 0.4565



Tritanopia

18.9596, 0.6265, 0.3324

Trichromacy



Original Color

18.8806, 0.6117, 0.3213

Protanomaly

15.5631, 0.4961, 0.3676

Deuteranomaly

16.1590, 0.5446, 0.3839

Tritanomaly

18.9095, 0.6224, 0.3289

Monochromacy



Original Color

18.8806, 0.6117, 0.3213

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

9.9614, 0.4555, 0.3173

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8806, 0.6117, 0.3213 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, 21, 42)` looks like.

```
.text, #text, p{  
    color:rgb(238, 21, 42)  
}
```

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, 21, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 21, 42) }
```

Border

The CSS property to change the border of an element to Yxy 18.8806, 0.6117, 0.3213 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, 21, 42) }
```

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

```
.border{ border-color:rgb(238, 21, 42) }
```

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

Here you see how a box with a 4 pixel rgb(238, 21, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 21, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 21, 42);  
box-shadow:4px 4px 4px 4px rgb(238, 21,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8806, 0.6117, 0.3213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 21, 42) }
```

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

```
.background{ background-color: rgb(238, 21,  
42) }
```

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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