

Converting Colors

$Yxy(18.0483, 0.5907, 0.3028)$

Have a look what the booklet for
Yxy(18.0483, 0.5907, 0.3028)
contains.

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Color

Yxy(18.0210, 0.5908, 0.3028)

Conversions

Conversions Part 1

Format	Color
Hex	EB003F
RGB	235, 0, 63
RGB Percent	92%, 0%, 25%
CMY	0.0784, 1.0000, 0.7528
CMYK	0.00, 1.00, 0.73, 0.08
HSL	344°, 100%, 46%
HSV	344°, 100%, 92%
XYZ	35.1612, 18.0210, 6.3323
YIQ	77.4470, 119.8370, 69.4130

Conversions

Conversions Part 2

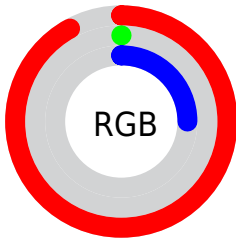
Format	Color
R_{YB}	235, 0, 63
Decimal	15401023
CIE _{Lab}	49.52, 76.51, 35.48
CIE _{LCh}	50, 84.338, 24.879
Yxy	18.0210, 0.5908, 0.3028
Android (android.graphics.Color)	4293591103 (0xFFEB003F)
YUV	77.4470, -7.1224, 138.1740
Hunter-Lab	42.4511, 73.5574, 20.8716

Details

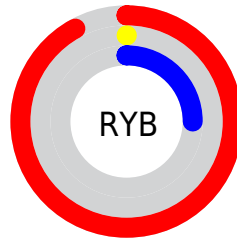
The Yxy color **18.0210, 0.5908, 0.3028** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **62.3995, 0.2499, 0.4197**, and the grayscale version is **7.5070, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.2364, 0.4971, 0.3130**, and **8.6002, 0.6236, 0.3209** is the 20% darker color. If you saturate the color by 10%, you get **18.0229, 0.5908, 0.3028**, and if you desaturate by 10%, it is **18.8791, 0.5605, 0.2936**.

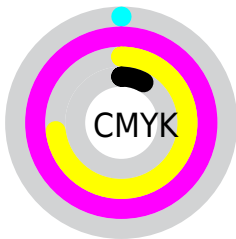
Distribution



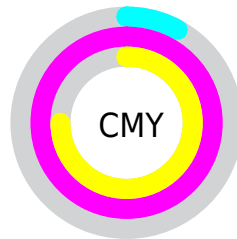
- Red (92%)
- Green (0%)
- Blue (25%)



- Red (92%)
- Yellow (0%)
- Blue (25%)



- Cyan (0%)
- Magenta (100%)
- Yellow (73%)
- Black (8%)





- Cyan (8%)
- Magenta (100%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0210, 0.5908, 0.3028 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 18.0210, 0.5908, 0.3028 by changing the saturation by 10% instead.


 18.0210, 0.5908,
0.3028


 18.0210, 0.5908,
0.3028


240.9894, 0.4344,
0.3305


 10.9651, 0.6321,
0.2894


 40.0731, 0.5312,
0.3174


 6.0433, 0.6840,
0.2680

 55.8381, 0.5095,
0.3215


 2.8715, 0.7622,
0.2378

 75.2748, 0.4915,
0.3243

 1.0650, 0.8225,
0.1775

 98.7678, 0.4763,
0.3264

 0.0000, 1.0000,
0.0000

 126.7013, 0.4635,
0.3279

 0.0000, 0.0000,
0.0000

 159.4598, 0.4524,

0.3290

197.4277, 0.4428,
0.3299

■ 18.0210, 0.5908,
0.3028

■ 18.0210, 0.5908,
0.3028

■ 18.0229, 0.5908,
0.3028

■ 18.8791, 0.5605,
0.2936

■ 20.5679, 0.5244,
0.2879

■ 23.3363, 0.4859,
0.2866

■ 27.3308, 0.4486,
0.2890

■ 32.6747, 0.4150,
0.2941

■ 39.4762, 0.3861,
0.3007

■ 47.8324, 0.3619,
0.3079

■ 57.8321, 0.3420,
0.3152

■ 69.5571, 0.3258,
0.3223

Harmonies

Analogous

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



18.0210, 0.4721, 0.2274



18.0210, 0.5908, 0.3028



18.0210, 0.5897, 0.3856

Triad

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



18.0210, 0.5908, 0.3028



18.0210, 0.2544, 0.6202



18.0210, 0.1146, 0.1308

Complementary

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



18.0210, 0.5908, 0.3028



62.3995, 0.2499, 0.4197

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.



18.0210, 0.0887, 0.1642



18.0210, 0.5908, 0.3028



18.0210, 0.1488, 0.4515

Square

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



18.0210, 0.5908, 0.3028



18.0210, 0.3805, 0.5989



18.0210, 0.0960, 0.2605



18.0210, 0.1809, 0.1335

Rectangle

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



18.0210, 0.5908, 0.3028



18.0210, 0.5397, 0.4534



18.0210, 0.0960, 0.2605



18.0210, 0.1022, 0.1371

Sweetspot

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



18.0229, 0.5908, 0.3028



57.4245, 0.3622, 0.3078



14.3700, 0.2492, 0.1147



11.3315, 0.3719, 0.3047



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.



18.0229, 0.5908, 0.3028



21.6822, 0.5918, 0.3034



20.0242, 0.6168, 0.3485



15.1204, 0.3251, 0.3227



10.0478, 0.5868, 0.3006



0.8046, 0.5475, 0.2790

Inverse Universe

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



18.0229, 0.5908, 0.3028



21.6822, 0.5918, 0.3034



40.3172, 0.2046, 0.2565



15.1204, 0.3251, 0.3227



10.0478, 0.5868, 0.3006



0.8046, 0.5475, 0.2790

Previews

White Background



This preview shows how the Yxy color 18.0210, 0.5908, 0.3028 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 18.0210, 0.5908, 0.3028 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 18.0210, 0.5908, 0.3028

Background



This preview shows how black text looks on a background with the Yxy color 18.0210, 0.5908, 0.3028.



This preview shows how white text looks on a background with the Yxy color 18.0210, 0.5908, 0.3028.

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

18.0210, 0.5908, 0.3028

Protanopia

18.5138, 0.3535, 0.3768

Deuteranopia

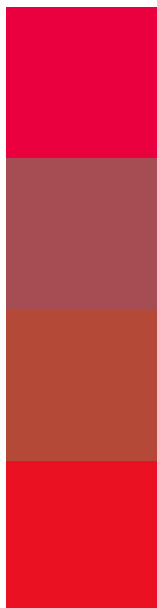
18.5695, 0.4366, 0.4306



Tritanopia

18.2782, 0.6255, 0.3322

Trichromacy



Original Color

18.0210, 0.5908, 0.3028

Protanomaly

13.9004, 0.4559, 0.3189

Deuteranomaly

14.7442, 0.5220, 0.3515

Tritanomaly

18.0147, 0.6182, 0.3234

Monochromacy



Original Color

18.0210, 0.5908, 0.3028

Achromatopsia

7.4214, 0.3127, 0.3290

Achromatomaly

7.7328, 0.4512, 0.2883

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0210, 0.5908, 0.3028 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, 0, 63)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 63)  
}
```

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, 0, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 63) }
```

Border

The CSS property to change the border of an element to Yxy 18.0210, 0.5908, 0.3028 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, 0, 63) }
```

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

```
.border{ border-color:rgb(235, 0, 63) }
```

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

Here you see how a box with a 4 pixel rgb(235, 0, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 63);  
box-shadow:4px 4px 4px 4px rgb(235, 0, 63)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.0210, 0.5908, 0.3028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 0, 63) }
```

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

```
.background{ background-color: rgb(235, 0,  
63) }
```

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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