

Converting Colors

$Yxy(17.9735, 0.5881, 0.3014)$

Have a look what the booklet for
Yxy(17.9735, 0.5881, 0.3014)
contains.

Yxy(18.0438, 0.5880, 0.3013)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.0438, 0.5880, 0.3013)

Conversions

Conversions Part 1

Format	Color
Hex	EB0041
RGB	235, 0, 65
RGB Percent	92%, 0%, 25%
CMY	0.0785, 0.9995, 0.7451
CMYK	0.00, 1.00, 0.72, 0.08
HSL	343°, 100%, 46%
HSV	343°, 100%, 92%
XYZ	35.2133, 18.0438, 6.6294
YIQ	77.6750, 119.1950, 70.0350

Conversions

Conversions Part 2

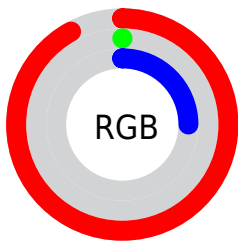
Format	Color
RYB	235, 0, 65
Decimal	15401025
CIELab	49.55, 76.57, 34.34
CIElCh	50, 83.915, 24.152
Yxy	18.0438, 0.5880, 0.3013
Android (android.graphics.Color)	4293591105 (0xFFEB0041)
YUV	77.6750, -6.2488, 137.9740
Hunter-Lab	42.4780, 73.6358, 20.4814

Details

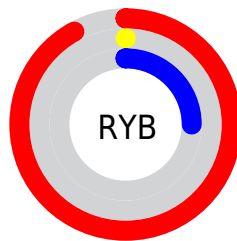
The Yxy color **18.0438, 0.5880, 0.3013** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **62.3182, 0.2507, 0.4226**, and the grayscale version is **7.5625, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.2810, 0.4945, 0.3111**, and **8.6079, 0.6213, 0.3196** is the 20% darker color. If you saturate the color by 10%, you get **18.0414, 0.5881, 0.3014**, and if you desaturate by 10%, it is **18.9076, 0.5576, 0.2921**.

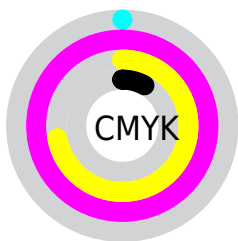
Distribution



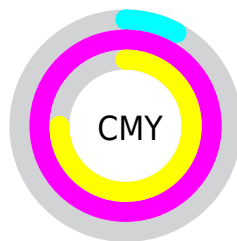
- Red (92%)
- Green (0%)
- Blue (25%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (72%)
- Black (8%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0438, 0.5880, 0.3013 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 18.0438, 0.5880, 0.3013 by changing the saturation by 10% instead.


 18.0438, 0.5880,
0.3013


 18.0438, 0.5880,
0.3013


241.1178, 0.4330,
0.3293


 10.9814, 0.6292,
0.2880


 40.1119, 0.5288,
0.3159


 6.0544, 0.6813,
0.2669

 55.8865, 0.5072,
0.3200


 2.8782, 0.7622,
0.2378

 75.3339, 0.4894,
0.3229

 1.0685, 0.8224,
0.1776

 98.8386, 0.4744,
0.3250

 0.0000, 1.0000,
0.0000

 126.7850, 0.4617,
0.3266

 0.0000, 0.0000,
0.0000

 159.5573, 0.4507,

0.3277

197.5402, 0.4412,
0.3286

■ 18.0438, 0.5880,
0.3013

■ 18.0438, 0.5880,
0.3013

■ 18.0414, 0.5881,
0.3014

■ 18.9076, 0.5576,
0.2921

■ 20.6042, 0.5217,
0.2864

■ 23.3799, 0.4836,
0.2852

■ 27.3807, 0.4468,
0.2878

■ 32.7298, 0.4137,
0.2931

■ 39.5352, 0.3851,
0.2998

■ 47.8938, 0.3612,
0.3073

■ 57.8940, 0.3416,
0.3149

■ 69.6179, 0.3256,
0.3222

Harmonies

Analogous

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



18.0438, 0.4673, 0.2262



18.0438, 0.5880, 0.3013



18.0438, 0.5900, 0.3837

Triad

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



18.0438, 0.5880, 0.3013



18.0438, 0.2580, 0.6201



18.0438, 0.1142, 0.1318

Complementary

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



18.0438, 0.5880, 0.3013



62.3182, 0.2507, 0.4226

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.



18.0438, 0.0891, 0.1664



18.0438, 0.5880, 0.3013



18.0438, 0.1516, 0.4561

Square

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



18.0438, 0.5880, 0.3013



18.0438, 0.3838, 0.5957



18.0438, 0.0974, 0.2644



18.0438, 0.1792, 0.1337

Rectangle

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



18.0438, 0.5880, 0.3013



18.0438, 0.5412, 0.4506



18.0438, 0.0974, 0.2644



18.0438, 0.1021, 0.1384

Sweetspot

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



18.0449, 0.5880, 0.3013



57.4533, 0.3616, 0.3072



14.3738, 0.2492, 0.1147



11.3382, 0.3712, 0.3040



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.



18.0449, 0.5880, 0.3013



21.7080, 0.5892, 0.3019



20.0291, 0.6167, 0.3485



15.1224, 0.3249, 0.3225



10.0603, 0.5841, 0.2991



0.8058, 0.5447, 0.2774

Inverse Universe

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



18.0449, 0.5880, 0.3013



21.7080, 0.5892, 0.3019



40.3216, 0.2046, 0.2566



15.1224, 0.3249, 0.3225



10.0603, 0.5841, 0.2991



0.8058, 0.5447, 0.2774

Previews

White Background



This preview shows how the Yxy color 18.0438, 0.5880, 0.3013 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 18.0438, 0.5880, 0.3013 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 18.0438, 0.5880, 0.3013

Background



This preview shows how black text looks on a background with the Yxy color 18.0438, 0.5880, 0.3013.



This preview shows how white text looks on a background with the Yxy color 18.0438, 0.5880, 0.3013.

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

18.0438, 0.5880, 0.3013

Protanopia

18.5687, 0.3498, 0.3710

Deuteranopia

18.5876, 0.4346, 0.4281



Tritanopia

18.3268, 0.6245, 0.3322

Trichromacy



Original Color

18.0438, 0.5880, 0.3013



Protanomaly

13.9318, 0.4522, 0.3158



Deuteranomaly

14.7638, 0.5191, 0.3493



Tritanomaly

18.0207, 0.6174, 0.3229

Monochromacy



Original Color

18.0438, 0.5880, 0.3013



Achromatopsia

7.6185, 0.3127, 0.3290



Achromatomaly

7.9131, 0.4497, 0.2885

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0438, 0.5880, 0.3013 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, 65)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 65)  
}
```

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, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 65) }
```

Border

The CSS property to change the border of an element to Yxy 18.0438, 0.5880, 0.3013 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, 65) }
```

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

```
.border{ border-color:rgb(235, 0, 65) }
```

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, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 65);  
box-shadow:4px 4px 4px 4px rgb(235, 0, 65)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.0438, 0.5880, 0.3013 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, 65) }
```

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

```
.background{ background-color: rgb(235, 0,  
65) }
```

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