

Converting Colors

$Yxy(18.0196, 0.5851, 0.2997)$

Have a look what the booklet for
Yxy(18.0196, 0.5851, 0.2997)
contains.

Yxy(18.0674, 0.5852, 0.2997)	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(18.0674, 0.5852, 0.2997)

Conversions

Conversions Part 1

Format	Color
Hex	EB0043
RGB	235, 0, 67
RGB Percent	92%, 0%, 26%
CMY	0.0784, 1.0000, 0.7372
CMYK	0.00, 1.00, 0.71, 0.08
HSL	343°, 100%, 46%
HSV	343°, 100%, 92%
XYZ	35.2788, 18.0674, 6.9388
YIQ	77.9030, 118.5530, 70.6570

Conversions

Conversions Part 2

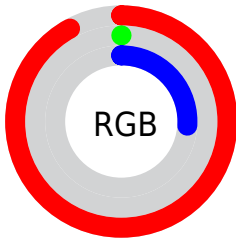
Format	Color
RYB	235, 0, 67
Decimal	15401027
CIELab	49.58, 76.67, 33.18
CIELCh	50, 83.540, 23.401
Yxy	18.0674, 0.5852, 0.2997
Android (android.graphics.Color)	4293591107 (0xFFEB0043)
YUV	77.9030, -5.3752, 137.7741
Hunter-Lab	42.5058, 73.7656, 20.0753

Details

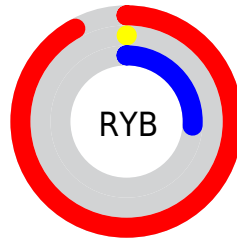
The Yxy color **18.0674, 0.5852, 0.2997** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **62.2547, 0.2516, 0.4259**, and the grayscale version is **7.5939, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.3265, 0.4918, 0.3091**, and **8.6162, 0.6189, 0.3183** is the 20% darker color. If you saturate the color by 10%, you get **18.0705, 0.5852, 0.2997**, and if you desaturate by 10%, it is **18.9352, 0.5548, 0.2904**.

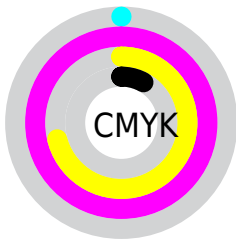
Distribution



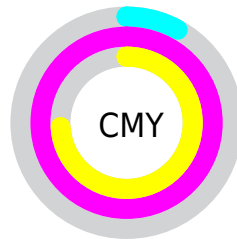
- Red (92%)
- Green (0%)
- Blue (26%)



- Red (92%)
- Yellow (0%)
- Blue (26%)



- Cyan (0%)
- Magenta (100%)
- Yellow (71%)
- Black (8%)




- Cyan (8%)
- Magenta (100%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0674, 0.5852, 0.2997 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 18.0674, 0.5852, 0.2997 by changing the saturation by 10% instead.


 18.0674, 0.5852,
0.2997


 18.0674, 0.5852,
0.2997


241.2507, 0.4315,
0.3281


 10.9984, 0.6263,
0.2865


 40.1521, 0.5264,
0.3143


 6.0658, 0.6785,
0.2657

 55.9367, 0.5050,
0.3184


 2.8851, 0.7598,
0.2369

 75.3951, 0.4873,
0.3214

 1.0720, 0.8224,
0.1776

 98.9120, 0.4725,
0.3235

 0.0000, 1.0000,
0.0000

 126.8715, 0.4599,
0.3252

 0.0000, 0.0000,
0.0000

 159.6582, 0.4491,

0.3264

197.6565, 0.4397,
0.3274

■ 18.0674, 0.5852,
0.2997

■ 18.0674, 0.5852,
0.2997

■ 18.0705, 0.5852,
0.2997

■ 18.9352, 0.5548,
0.2904

■ 20.6305, 0.5191,
0.2847

■ 23.4030, 0.4815,
0.2837

■ 27.3990, 0.4452,
0.2864

■ 32.7415, 0.4125,
0.2919

■ 39.5384, 0.3843,
0.2989

■ 47.8865, 0.3608,
0.3066

■ 57.8745, 0.3414,
0.3144

■ 69.5840, 0.3256,
0.3219

Harmonies

Analogous

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



18.0674, 0.4626, 0.2248



18.0674, 0.5852, 0.2997



18.0674, 0.5903, 0.3817

Triad

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



18.0674, 0.5852, 0.2997



18.0674, 0.2616, 0.6202



18.0674, 0.1137, 0.1327

Complementary

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



18.0674, 0.5852, 0.2997



62.2547, 0.2516, 0.4259

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.



18.0674, 0.0895, 0.1685



18.0674, 0.5852, 0.2997



18.0674, 0.1544, 0.4610

Square

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



18.0674, 0.5852, 0.2997



18.0674, 0.3872, 0.5926



18.0674, 0.0988, 0.2685



18.0674, 0.1775, 0.1338

Rectangle

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



18.0674, 0.5852, 0.2997



18.0674, 0.5428, 0.4478



18.0674, 0.0988, 0.2685



18.0674, 0.1019, 0.1398

Sweetspot

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



18.0705, 0.5852, 0.2997



57.4848, 0.3611, 0.3065



13.9464, 0.2452, 0.1124



11.3455, 0.3705, 0.3032



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.



18.0705, 0.5852, 0.2997



21.7371, 0.5862, 0.3003



19.6986, 0.6198, 0.3460



15.1247, 0.3248, 0.3223



10.0743, 0.5811, 0.2975



0.8071, 0.5417, 0.2758

Inverse Universe

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



18.0705, 0.5852, 0.2997



21.7371, 0.5862, 0.3003



41.9718, 0.2062, 0.2624



15.1247, 0.3248, 0.3223



10.0743, 0.5811, 0.2975



0.8071, 0.5417, 0.2758

Previews

White Background



This preview shows how the Yxy color 18.0674, 0.5852, 0.2997 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 18.0674, 0.5852, 0.2997 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 18.0674, 0.5852, 0.2997

Background



This preview shows how black text looks on a background with the Yxy color 18.0674, 0.5852, 0.2997.



This preview shows how white text looks on a background with the Yxy color 18.0674, 0.5852, 0.2997.

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

18.0674, 0.5852, 0.2997

Protanopia

18.5494, 0.3447, 0.3654

Deuteranopia

18.6064, 0.4326, 0.4254



Tritanopia

18.3304, 0.6240, 0.3319

Trichromacy



Original Color

18.0674, 0.5852, 0.2997



Protanomaly

13.9805, 0.4468, 0.3112



Deuteranomaly

14.7842, 0.5162, 0.3470



Tritanomaly

18.0333, 0.6156, 0.3220

Monochromacy



Original Color

18.0674, 0.5852, 0.2997



Achromatopsia

7.6185, 0.3127, 0.3290



Achromatomaly

7.9265, 0.4473, 0.2867

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0674, 0.5852, 0.2997 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, 67)` looks like.

```
.text, #text, p{  
  color:rgb(235, 0, 67)  
}
```

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, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 67) }
```

Border

The CSS property to change the border of an element to Yxy 18.0674, 0.5852, 0.2997 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, 67) }
```

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

```
.border{ border-color:rgb(235, 0, 67) }
```

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, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 67);  
box-shadow:4px 4px 4px 4px rgb(235, 0, 67)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.0674, 0.5852, 0.2997 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, 67) }
```

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

```
.background{ background-color: rgb(235, 0,  
67) }
```

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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