

Converting Colors

$Yxy(17.5411, 0.5873, 0.3009)$

Have a look what the booklet for
Yxy(17.5411, 0.5873, 0.3009)
contains.

Yxy(17.5375, 0.5867, 0.3005)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.5375, 0.5867, 0.3005)

Conversions

Conversions Part 1

Format	Color
Hex	E80041
RGB	232, 0, 65
RGB Percent	91%, 0%, 25%
CMY	0.0901, 1.0000, 0.7451
CMYK	0.00, 1.00, 0.72, 0.09
HSL	343°, 100%, 45%
HSV	343°, 100%, 91%
XYZ	34.2404, 17.5375, 6.5831
YIQ	76.7780, 117.4070, 69.3990

Conversions

Conversions Part 2

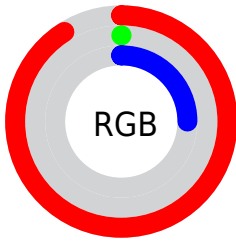
Format	Color
R_{YB}	232, 0, 65
Decimal	15204417
CIE Lab	48.93, 75.90, 33.45
CIE LCh	49, 82.944, 23.785
Yxy	17.5375, 0.5867, 0.3005
Android (android.graphics.Color)	4293394497 (0xFFE80041)
YUV	76.7780, -5.8066, 136.1297
Hunter-Lab	41.8778, 72.6603, 19.9942

Details

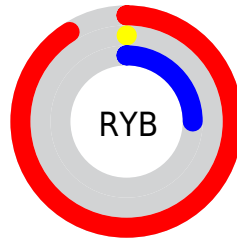
The Yxy color **17.5375, 0.5867, 0.3005** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **60.5206, 0.2511, 0.4240**, and the grayscale version is **7.3745, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.2810, 0.4945, 0.3111**, and **8.2774, 0.6206, 0.3192** is the 20% darker color. If you saturate the color by 10%, you get **17.5426, 0.5867, 0.3005**, and if you desaturate by 10%, it is **18.3865, 0.5562, 0.2913**.

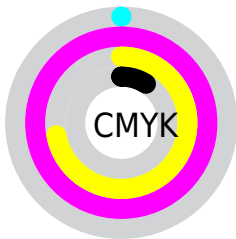
Distribution



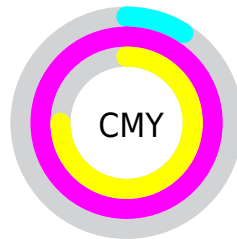
- Red (91%)
- Green (0%)
- Blue (25%)



- Red (91%)
- Yellow (0%)
- Blue (25%)



- Cyan (0%)
- Magenta (100%)
- Yellow (72%)
- Black (9%)





- Cyan (9%)
- Magenta (100%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.5375, 0.5867, 0.3005 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 17.5375, 0.5867, 0.3005 by changing the saturation by 10% instead.


 17.5375, 0.5867,
0.3005


 17.5375, 0.5867,
0.3005


238.2511, 0.4316,
0.3288


 10.6185, 0.6284,
0.2871

 39.2476, 0.5272,
0.3152


 5.8109, 0.6812,
0.2658

 54.8075, 0.5056,
0.3193


 2.7304, 0.7638,
0.2362

 74.0165, 0.4878,
0.3222

 0.9927, 0.8252,
0.1748

 97.2589, 0.4728,
0.3244

 0.0000, 1.0000,
0.0000

 124.9192, 0.4601,
0.3260

 0.0000, 0.0000,
0.0000

 157.3817, 0.4493,

0.3272

195.0309, 0.4398,
0.3281

■ 17.5375, 0.5867,
0.3005

■ 17.5375, 0.5867,
0.3005

■ 17.5426, 0.5867,
0.3005

■ 18.3865, 0.5562,
0.2913

■ 20.0363, 0.5204,
0.2856

■ 22.7328, 0.4826,
0.2845

■ 26.6175, 0.4460,
0.2872

■ 31.8096, 0.4131,
0.2925

■ 38.4139, 0.3848,
0.2994

■ 46.5242, 0.3611,
0.3070

■ 56.2264, 0.3415,
0.3146

■ 67.5999, 0.3256,
0.3220

Harmonies

Analogous

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



17.5375, 0.4650, 0.2255



17.5375, 0.5867, 0.3005



17.5375, 0.5902, 0.3827

Triad

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



17.5375, 0.5867, 0.3005



17.5375, 0.2597, 0.6203



17.5375, 0.1139, 0.1322

Complementary

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



17.5375, 0.5867, 0.3005



60.5206, 0.2511, 0.4240

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.



17.5375, 0.0893, 0.1674



17.5375, 0.5867, 0.3005



17.5375, 0.1530, 0.4585

Square

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



17.5375, 0.5867, 0.3005



17.5375, 0.3856, 0.5944



17.5375, 0.0980, 0.2664



17.5375, 0.1783, 0.1337

Rectangle

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



17.5375, 0.5867, 0.3005



17.5375, 0.5422, 0.4494



17.5375, 0.0980, 0.2664



17.5375, 0.1020, 0.1391

Sweetspot

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



17.5426, 0.5867, 0.3005



57.4672, 0.3614, 0.3069



13.9660, 0.2493, 0.1147



11.3414, 0.3709, 0.3036



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.



17.5426, 0.5867, 0.3005



21.7207, 0.5879, 0.3012



19.4654, 0.6167, 0.3485



14.4340, 0.3249, 0.3224



9.7546, 0.5825, 0.2983



0.7363, 0.5408, 0.2753

Inverse Universe

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



17.5426, 0.5867, 0.3005



21.7207, 0.5879, 0.3012



39.1841, 0.2046, 0.2566



14.4340, 0.3249, 0.3224



9.7546, 0.5825, 0.2983



0.7363, 0.5408, 0.2753

Previews

White Background



This preview shows how the Yxy color 17.5375, 0.5867, 0.3005 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 17.5375, 0.5867, 0.3005 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 17.5375, 0.5867, 0.3005

Background



This preview shows how black text looks on a background with the Yxy color 17.5375, 0.5867, 0.3005.



This preview shows how white text looks on a background with the Yxy color 17.5375, 0.5867, 0.3005.

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

17.5375, 0.5867, 0.3005

Protanopia

18.1799, 0.3475, 0.3696

Deuteranopia

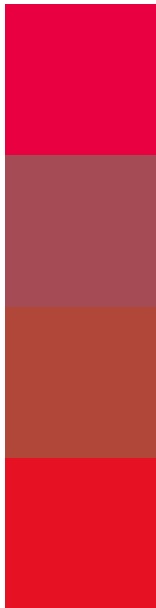
17.9564, 0.4343, 0.4263



Tritanopia

17.8233, 0.6241, 0.3323

Trichromacy



Original Color

17.5375, 0.5867, 0.3005

Protanomaly

13.5805, 0.4502, 0.3141

Deuteranomaly

14.1490, 0.5182, 0.3471

Tritanomaly

17.5172, 0.6167, 0.3227

Monochromacy



Original Color

17.5375, 0.5867, 0.3005

Achromatopsia

7.4214, 0.3127, 0.3290

Achromatomaly

7.6642, 0.4470, 0.2861

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5375, 0.5867, 0.3005 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(232, 0, 65)` looks like.

```
.text, #text, p{  
  color:rgb(232, 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(232, 0, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 65) }
```

Border

The CSS property to change the border of an element to Yxy 17.5375, 0.5867, 0.3005 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(232, 0, 65) }
```

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

```
.border{ border-color:rgb(232, 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(232, 0, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 65);  
box-shadow:4px 4px 4px 4px rgb(232, 0, 65)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.5375, 0.5867, 0.3005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 0, 65) }
```

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

```
.background{ background-color: rgb(232, 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