

Converting Colors

$Y_{xy}(17.6127, 0.6373, 0.3284)$

Have a look what the booklet for
Yxy(17.6127, 0.6373, 0.3284)
contains.

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Color

Yxy(17.6797, 0.6374, 0.3285)

Conversions

Conversions Part 1

Format	Color
Hex	EB0008
RGB	235, 0, 8
RGB Percent	92%, 0%, 3%
CMY	0.0784, 0.9997, 0.9685
CMYK	0.00, 1.00, 0.97, 0.08
HSL	358°, 100%, 46%
HSV	358°, 100%, 92%
XYZ	34.3045, 17.6797, 1.8352
YIQ	71.1770, 137.4920, 52.3080

Conversions

Conversions Part 2

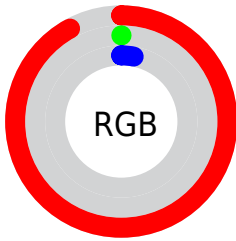
Format	Color
RYB	235, 0, 8
Decimal	15400968
CIELab	49.11, 75.37, 60.97
CIElCh	49, 96.941, 38.973
Yxy	17.6797, 0.6374, 0.3285
Android (android.graphics.Color)	4293591048 (0xFFEB0008)
YUV	71.1770, -31.1463, 143.6728
Hunter-Lab	42.0472, 72.0478, 26.8452

Details

The Yxy color **17.6797, 0.6374, 0.3285** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark washed red. A complement of this color would be **64.9633, 0.2276, 0.3393**, and the grayscale version is **6.3766, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.2512, 0.5544, 0.3533**, and **8.3248, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.6792, 0.6374, 0.3285**, and if you desaturate by 10%, it is **18.3949, 0.6195, 0.3273**.

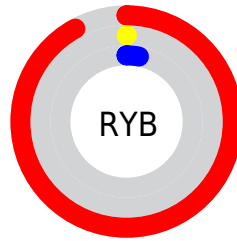
Distribution



Red (92%)

Green (0%)

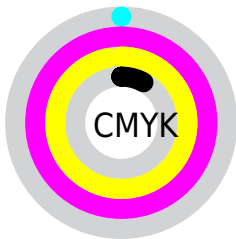
Blue (3%)



Red (92%)

Yellow (0%)

Blue (3%)

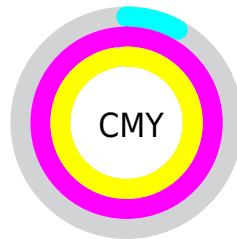


Cyan (0%)

Magenta (100%)

Yellow (97%)

Black (8%)



Cyan (8%)


Magenta (100%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.6797, 0.6374, 0.3285 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 17.6797, 0.6374, 0.3285 by changing the saturation by 10% instead.


 17.6797, 0.6374,
0.3285


 17.6797, 0.6374,
0.3285


 239.0594, 0.4659,
0.3558


 10.7203, 0.6758,
0.3111


 39.4908, 0.5776,
0.3469


 5.8791, 0.7175,
0.2825

 55.1112, 0.5539,
0.3513


 2.7717, 0.7616,
0.2384

 74.3875, 0.5336,
0.3538

 1.0137, 0.8227,
0.1773

 97.7039, 0.5161,
0.3553


 0.0000, 1.0000,
0.0000

 125.4449, 0.5010,
0.3560

 0.0000, 0.0000,
0.0000


 157.9949, 0.4877,


0.3562


 195.7383, 0.4762,
0.3561

 17.6797, 0.6374,
0.3285


 17.6797, 0.6374,
0.3285


 17.6792, 0.6374,
0.3285

 18.3949, 0.6195,
0.3273

 19.9613, 0.5864,
0.3258

 22.6372, 0.5425,
0.3249

 26.5771, 0.4950,
0.3247

 31.9109, 0.4499,
0.3250

■ 38.7526, 0.4105,
0.3257

■ 47.2043, 0.3777,
0.3265

■ 57.3594, 0.3511,
0.3274

■ 69.3038, 0.3297,
0.3282

Harmonies

Analogous

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



17.6797, 0.5735, 0.2501



17.6797, 0.6374, 0.3285



17.6797, 0.5744, 0.4256

Triad

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



17.6797, 0.6374, 0.3285



17.6797, 0.1788, 0.6048



17.6797, 0.1231, 0.1106

Complementary

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



17.6797, 0.6374, 0.3285



64.9633, 0.2276, 0.3393

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.



17.6797, 0.0793, 0.1242



17.6797, 0.6374, 0.3285



17.6797, 0.0949, 0.3493

Square

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



17.6797, 0.6374, 0.3285



17.6797, 0.3054, 0.6700



17.6797, 0.0692, 0.1861



17.6797, 0.2198, 0.1282

Rectangle

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



17.6797, 0.6374, 0.3285



17.6797, 0.4919, 0.5081



17.6797, 0.0692, 0.1861



17.6797, 0.1039, 0.1114

Sweetspot

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



17.6808, 0.6374, 0.3285



56.6402, 0.3782, 0.3265



21.7274, 0.3082, 0.1472



11.1519, 0.3913, 0.3261



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.



17.6808, 0.6374, 0.3285



21.2790, 0.6377, 0.3287



27.9260, 0.5577, 0.3954



15.0623, 0.3288, 0.3282



9.8433, 0.6364, 0.3280



0.7759, 0.6266, 0.3225

Inverse Universe

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



17.6808, 0.6374, 0.3285



21.2790, 0.6377, 0.3287



21.7727, 0.1813, 0.1725



15.0623, 0.3288, 0.3282



9.8433, 0.6364, 0.3280



0.7759, 0.6266, 0.3225

Previews

White Background



This preview shows how the Yxy color 17.6797, 0.6374, 0.3285 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 17.6797, 0.6374, 0.3285 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 17.6797, 0.6374, 0.3285

Background



This preview shows how black text looks on a background with the Yxy color 17.6797, 0.6374, 0.3285.



This preview shows how white text looks on a background with the Yxy color 17.6797, 0.6374, 0.3285.

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

17.6797, 0.6374, 0.3285

Protanopia

18.2845, 0.4256, 0.4708

Deuteranopia

18.1998, 0.4686, 0.4661

Trichromacy



Original Color

17.6797, 0.6374, 0.3285

Protanomaly

13.7768, 0.5434, 0.3876

Deuteranomaly

14.3446, 0.5681, 0.3852

Monochromacy



Original Color

17.6797, 0.6374, 0.3285

Achromatopsia

6.3010, 0.3127, 0.3290

Achromatomaly

6.9155, 0.5084, 0.3246

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.6797, 0.6374, 0.3285 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, 8)` looks like.

```
.text, #text, p{  
  color:rgb(235, 0, 8)  
}
```

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, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 8) }
```

Border

The CSS property to change the border of an element to Yxy 17.6797, 0.6374, 0.3285 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, 8) }
```

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

```
.border{ border-color:rgb(235, 0, 8) }
```

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, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 8); -webkit-box-shadow:4px  
4px 4px 4px rgb(235, 0, 8); box-shadow:4px  
4px 4px 4px rgb(235, 0, 8) }
```

Background

The CSS property to change the background color of an element to Yxy 17.6797, 0.6374, 0.3285 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, 8) }
```

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

```
.background{ background-color: rgb(235, 0,  
8) }
```

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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