

Converting Colors

$Y_{xy}(17.6598, 0.6302, 0.3245)$

Have a look what the booklet for
Yxy(17.6598, 0.6302, 0.3245)
contains.

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Color

Yxy(17.7281, 0.6302, 0.3245)

Conversions

Conversions Part 1

Format	Color
Hex	EB0018
RGB	235, 0, 24
RGB Percent	92%, 0%, 9%
CMY	0.0784, 1.0000, 0.9056
CMYK	0.00, 1.00, 0.90, 0.08
HSL	354°, 100%, 46%
HSV	354°, 100%, 92%
XYZ	34.4291, 17.7281, 2.4748
YIQ	73.0010, 132.3560, 57.2840

Conversions

Conversions Part 2

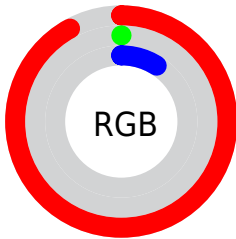
Format	Color
R_{YB}	235, 0, 24
Decimal	15400984
CIE Lab	49.16, 75.54, 55.70
CIE LCh	49, 93.856, 36.403
Yxy	17.7281, 0.6302, 0.3245
Android (android.graphics.Color)	4293591064 (0xFFEB0018)
YUV	73.0010, -24.1575, 142.0731
Hunter-Lab	42.1048, 72.2764, 25.9884

Details

The Yxy color **17.7281, 0.6302, 0.3245** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **64.1232, 0.2338, 0.3615**, and the grayscale version is **6.6902, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3822, 0.5441, 0.3457**, and **8.4350, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.7302, 0.6302, 0.3245**, and if you desaturate by 10%, it is **18.4875, 0.6069, 0.3201**.

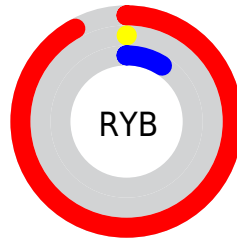
Distribution



Red (92%)

Green (0%)

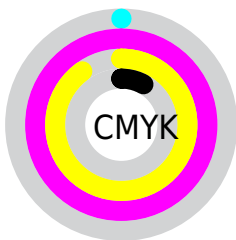
Blue (9%)



Red (92%)

Yellow (0%)

Blue (9%)

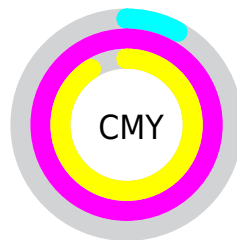


Cyan (0%)

Magenta (100%)

Yellow (90%)

Black (8%)



Cyan (8%)


Magenta (100%)

Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.7281, 0.6302, 0.3245 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 17.7281, 0.6302, 0.3245 by changing the saturation by 10% instead.


 17.7281, 0.6302,
0.3245


 17.7281, 0.6302,
0.3245


239.3340, 0.4596,
0.3508


 10.7550, 0.6688,
0.3076


 39.5735, 0.5694,
0.3417


 5.9023, 0.7177,
0.2823

 55.2145, 0.5457,
0.3458

 2.7858, 0.7618,
0.2382

 74.5136, 0.5256,
0.3483

 1.0209, 0.8227,
0.1773

 97.8551, 0.5084,
0.3497

 0.0000, 1.0000,
0.0000


 125.6236, 0.4936,
0.3505

 0.0000, 0.0000,
0.0000

 158.2032, 0.4808,

0.3509


 195.9786, 0.4695,
0.3509


 17.7281, 0.6302,
0.3245

 17.7281, 0.6302,
0.3245


 17.7302, 0.6302,
0.3245


 18.4875, 0.6069,
0.3201


 20.0935, 0.5710,
0.3163


 22.8013, 0.5272,
0.3145

 26.7623, 0.4819,
0.3146

 32.1039, 0.4399,
0.3160

 38.9380, 0.4034,
0.3183

 47.3649, 0.3731,
0.3210

 57.4763, 0.3485,
0.3238

 69.3568, 0.3286,
0.3265

Harmonies

Analogous

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



17.7281, 0.5535, 0.2464



17.7281, 0.6302, 0.3245



17.7281, 0.5807, 0.4193

Triad

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



17.7281, 0.6302, 0.3245



17.7281, 0.1937, 0.6103



17.7281, 0.1214, 0.1145

Complementary

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



17.7281, 0.6302, 0.3245



64.1232, 0.2338, 0.3615

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.



17.7281, 0.0812, 0.1314



17.7281, 0.6302, 0.3245



17.7281, 0.1047, 0.3696

Square

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



17.7281, 0.6302, 0.3245



17.7281, 0.3209, 0.6553



17.7281, 0.0740, 0.1994



17.7281, 0.2116, 0.1294

Rectangle

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



17.7281, 0.6302, 0.3245



17.7281, 0.5029, 0.4971



17.7281, 0.0740, 0.1994



17.7281, 0.1036, 0.1162

Sweetspot

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



17.7302, 0.6302, 0.3245



56.8595, 0.3735, 0.3210



19.3497, 0.2912, 0.1378



11.2017, 0.3856, 0.3198



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.



17.7302, 0.6302, 0.3245



21.3351, 0.6307, 0.3248



24.9910, 0.5769, 0.3801



15.0791, 0.3277, 0.3266



9.8753, 0.6279, 0.3233



0.7839, 0.6014, 0.3087

Inverse Universe

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



17.7302, 0.6302, 0.3245



21.3351, 0.6307, 0.3248



26.2261, 0.1878, 0.1962



15.0791, 0.3277, 0.3266



9.8753, 0.6279, 0.3233



0.7839, 0.6014, 0.3087

Previews

White Background



This preview shows how the Yxy color 17.7281, 0.6302, 0.3245 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 17.7281, 0.6302, 0.3245 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 17.7281, 0.6302, 0.3245

Background



This preview shows how black text looks on a background with the Yxy color 17.7281, 0.6302, 0.3245.



This preview shows how white text looks on a background with the Yxy color 17.7281, 0.6302, 0.3245.

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

17.7281, 0.6302, 0.3245

Protanopia

18.2886, 0.4145, 0.4571

Deuteranopia

18.2943, 0.4699, 0.4651



Tritanopia

17.8975, 0.6340, 0.3348

Trichromacy



Original Color

17.7281, 0.6302, 0.3245



Protanomaly

13.7375, 0.5296, 0.3774



Deuteranomaly

14.4782, 0.5664, 0.3828



Tritanomaly

17.8262, 0.6338, 0.3309

Monochromacy



Original Color

17.7281, 0.6302, 0.3245



Achromatopsia

6.6626, 0.3127, 0.3290



Achromatomaly

7.1354, 0.4922, 0.3141

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7281, 0.6302, 0.3245 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, 24)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 24)  
}
```

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, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 24) }
```

Border

The CSS property to change the border of an element to Yxy 17.7281, 0.6302, 0.3245 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, 24) }
```

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

```
.border{ border-color:rgb(235, 0, 24) }
```

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, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 24);  
box-shadow:4px 4px 4px 4px rgb(235, 0, 24)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.7281, 0.6302, 0.3245 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, 24) }
```

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

```
.background{ background-color: rgb(235, 0,  
24) }
```

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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