

Converting Colors

$Y_{xy}(17.6420, 0.6328, 0.3260)$

Have a look what the booklet for
Yxy(17.6420, 0.6328, 0.3260)
contains.

Yxy(17.7092, 0.6330, 0.3261)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.7092, 0.6330, 0.3261)

Conversions

Conversions Part 1

Format	Color
Hex	EB0013
RGB	235, 0, 19
RGB Percent	92%, 0%, 7%
CMY	0.0785, 0.9994, 0.9256
CMYK	0.00, 1.00, 0.92, 0.08
HSL	355°, 100%, 46%
HSV	355°, 100%, 92%
XYZ	34.3757, 17.7092, 2.2211
YIQ	72.4310, 133.9610, 55.7290

Conversions

Conversions Part 2

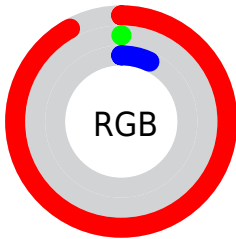
Format	Color
RYB	235, 0, 19
Decimal	15400979
CIELab	49.14, 75.46, 57.67
CIELCh	49, 94.969, 37.388
Yxy	17.7092, 0.6330, 0.3261
Android (android.graphics.Color)	4293591059 (0xFFEB0013)
YUV	72.4310, -26.3415, 142.5730
Hunter-Lab	42.0823, 72.1671, 26.3283

Details

The Yxy color **17.7092, 0.6330, 0.3261** 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 **64.3776, 0.2317, 0.3541**, and the grayscale version is **6.6021, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3316, 0.5480, 0.3486**, and **8.4350, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.7067, 0.6331, 0.3261**, and if you desaturate by 10%, it is **18.4562, 0.6113, 0.3226**.

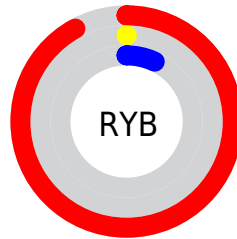
Distribution



Red (92%)

Green (0%)

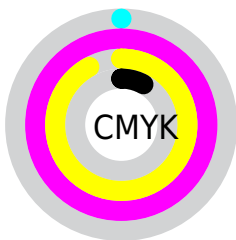
Blue (7%)



Red (92%)

Yellow (0%)

Blue (7%)

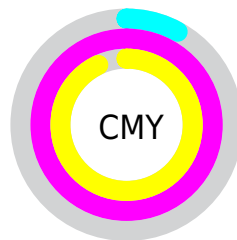


Cyan (0%)

Magenta (100%)

Yellow (92%)

Black (8%)



Cyan (8%)


Magenta (100%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.7092, 0.6330, 0.3261 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 17.7092, 0.6330, 0.3261 by changing the saturation by 10% instead.


 17.7092, 0.6330,
0.3261


 17.7092, 0.6330,
0.3261


239.2268, 0.4620,
0.3527


 10.7414, 0.6714,
0.3089


 39.5412, 0.5725,
0.3437


 5.8932, 0.7176,
0.2824

 55.1742, 0.5488,
0.3479


 2.7803, 0.7617,
0.2383

 74.4643, 0.5286,
0.3504

 1.0181, 0.8227,
0.1773

 97.7961, 0.5113,
0.3518


 0.0000, 1.0000,
0.0000


 125.5538, 0.4964,
0.3526

 0.0000, 0.0000,
0.0000


 158.1219, 0.4834,


0.3529


 195.8848, 0.4720,
0.3529

 17.7092, 0.6330,
0.3261


 17.7092, 0.6330,
0.3261

 17.7067, 0.6331,
0.3261

 18.4562, 0.6113,
0.3226

 20.0549, 0.5761,
0.3195

 22.7587, 0.5320,
0.3180

 26.7198, 0.4860,
0.3179

 32.0663, 0.4429,
0.3190

■ 38.9105, 0.4055,
0.3207

■ 47.3532, 0.3744,
0.3228

■ 57.4866, 0.3492,
0.3250

■ 69.3957, 0.3289,
0.3270

Harmonies

Analogous

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



17.7092, 0.5611, 0.2479



17.7092, 0.6330, 0.3261



17.7092, 0.5783, 0.4217

Triad

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



17.7092, 0.6330, 0.3261



17.7092, 0.1881, 0.6083



17.7092, 0.1221, 0.1130

Complementary

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



17.7092, 0.6330, 0.3261



64.3776, 0.2317, 0.3541

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.



17.7092, 0.0805, 0.1287



17.7092, 0.6330, 0.3261



17.7092, 0.1010, 0.3619

Square

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



17.7092, 0.6330, 0.3261



17.7092, 0.3151, 0.6607



17.7092, 0.0722, 0.1943



17.7092, 0.2147, 0.1290

Rectangle

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



17.7092, 0.6330, 0.3261



17.7092, 0.4988, 0.5012



17.7092, 0.0722, 0.1943



17.7092, 0.1038, 0.1144

Sweetspot

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



17.7103, 0.6330, 0.3261



56.7874, 0.3750, 0.3228



20.5112, 0.2998, 0.1425



11.1853, 0.3875, 0.3219



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.



17.7103, 0.6330, 0.3261



21.3121, 0.6336, 0.3264



26.3955, 0.5673, 0.3877



15.0736, 0.3280, 0.3271



9.8629, 0.6312, 0.3251



0.7813, 0.6093, 0.3130

Inverse Universe

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



17.7103, 0.6330, 0.3261



21.3121, 0.6336, 0.3264



23.9290, 0.1845, 0.1843



15.0736, 0.3280, 0.3271



9.8629, 0.6312, 0.3251



0.7813, 0.6093, 0.3130

Previews

White Background



This preview shows how the Yxy color 17.7092, 0.6330, 0.3261 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



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 17.7092, 0.6330, 0.3261

Background



This preview shows how black text looks on a background with the Yxy color 17.7092, 0.6330, 0.3261.



This preview shows how white text looks on a background with the Yxy color 17.7092, 0.6330, 0.3261.

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

17.7092, 0.6330, 0.3261

Protanopia

18.3334, 0.4199, 0.4623

Deuteranopia

18.2943, 0.4699, 0.4651



Tritanopia

17.8975, 0.6340, 0.3348

Trichromacy



Original Color

17.7092, 0.6330, 0.3261



Protanomaly

13.8192, 0.5358, 0.3812



Deuteranomaly

14.4738, 0.5672, 0.3834



Tritanomaly

17.8218, 0.6344, 0.3313

Monochromacy



Original Color

17.7092, 0.6330, 0.3261



Achromatopsia

6.6626, 0.3127, 0.3290



Achromatomaly

7.1956, 0.4958, 0.3193

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7092, 0.6330, 0.3261 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, 19)` looks like.

```
.text, #text, p{  
  color:rgb(235, 0, 19)  
}
```

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, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 19) }
```

Border

The CSS property to change the border of an element to Yxy 17.7092, 0.6330, 0.3261 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, 19) }
```

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

```
.border{ border-color:rgb(235, 0, 19) }
```

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, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 19);  
box-shadow:4px 4px 4px 4px rgb(235, 0, 19)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.7092, 0.6330, 0.3261 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, 19) }
```

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

```
.background{ background-color: rgb(235, 0,  
19) }
```

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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