

Converting Colors

$Y_{xy}(17.3025, 0.6311, 0.3250)$

Have a look what the booklet for
Yxy(17.3025, 0.6311, 0.3250)
contains.

Yxy(17.3816, 0.6312, 0.3251)	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(17.3816, 0.6312, 0.3251)

Conversions

Conversions Part 1

Format	Color
Hex	E90016
RGB	233, 0, 22
RGB Percent	91%, 0%, 9%
CMY	0.0863, 0.9995, 0.9136
CMYK	0.00, 1.00, 0.91, 0.09
HSL	354°, 100%, 46%
HSV	354°, 100%, 91%
XYZ	33.7474, 17.3816, 2.3364
YIQ	72.1750, 131.8060, 56.2380

Conversions

Conversions Part 2

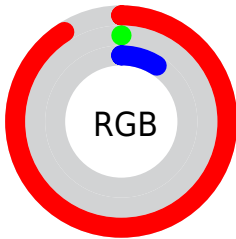
Format	Color
RYB	233, 0, 22
Decimal	15269910
CIELab	48.74, 75.01, 56.04
CIELCh	49, 93.635, 36.761
Yxy	17.3816, 0.6312, 0.3251
Android (android.graphics.Color)	4293459990 (0xFFE90016)
YUV	72.1750, -24.7363, 141.0435
Hunter-Lab	41.6912, 71.5288, 25.8612

Details

The Yxy color **17.3816, 0.6312, 0.3251** 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 **62.9811, 0.2330, 0.3587**, and the grayscale version is **6.5509, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3565, 0.5461, 0.3472**, and **8.2155, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.3798, 0.6313, 0.3251**, and if you desaturate by 10%, it is **18.1270, 0.6084, 0.3210**.

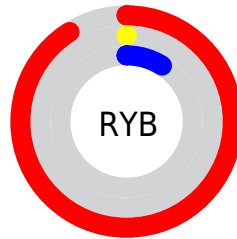
Distribution



Red (91%)

Green (0%)

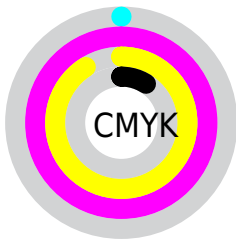
Blue (9%)



Red (91%)

Yellow (0%)

Blue (9%)

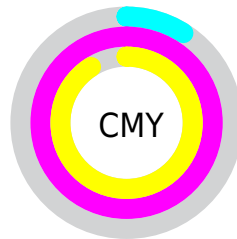


Cyan (0%)

Magenta (100%)

Yellow (91%)

Black (9%)



Cyan (9%)


Magenta (100%)


Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.3816, 0.6312, 0.3251 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 17.3816, 0.6312, 0.3251 by changing the saturation by 10% instead.


 17.3816, 0.6312,
0.3251


 17.3816, 0.6312,
0.3251


237.3619, 0.4599,
0.3515


 10.5069, 0.6700,
0.3079


 38.9807, 0.5701,
0.3425


 5.7363, 0.7181,
0.2819

 54.4740, 0.5464,
0.3466


 2.6854, 0.7627,
0.2373

 73.6089, 0.5262,
0.3491

 0.9698, 0.8245,
0.1755

 96.7698, 0.5089,
0.3505


 0.0000, 1.0000,
0.0000


 124.3412, 0.4941,
0.3513


 0.0000, 0.0000,
0.0000


 156.7074, 0.4811,


0.3516


 194.2529, 0.4699,
0.3516

 17.3816, 0.6312,
0.3251


 17.3816, 0.6312,
0.3251


 17.3798, 0.6313,
0.3251

 18.1270, 0.6084,
0.3210

 19.7054, 0.5726,
0.3175

 22.3657, 0.5287,
0.3158

 26.2561, 0.4832,
0.3158

 31.5016, 0.4408,
0.3171

■ 38.2119, 0.4041,
0.3192

■ 46.4853, 0.3735,
0.3217

■ 56.4117, 0.3486,
0.3242

■ 68.0741, 0.3287,
0.3267

Harmonies

Analogous

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



17.3816, 0.5562, 0.2469



17.3816, 0.6312, 0.3251



17.3816, 0.5799, 0.4201

Triad

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



17.3816, 0.6312, 0.3251



17.3816, 0.1917, 0.6096



17.3816, 0.1217, 0.1140

Complementary

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



17.3816, 0.6312, 0.3251



62.9811, 0.2330, 0.3587

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.



17.3816, 0.0810, 0.1304



17.3816, 0.6312, 0.3251



17.3816, 0.1034, 0.3668

Square

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



17.3816, 0.6312, 0.3251



17.3816, 0.3189, 0.6573



17.3816, 0.0734, 0.1976



17.3816, 0.2127, 0.1293

Rectangle

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



17.3816, 0.6312, 0.3251



17.3816, 0.5014, 0.4986



17.3816, 0.0734, 0.1976



17.3816, 0.1037, 0.1156

Sweetspot

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



17.3827, 0.6312, 0.3251



56.8324, 0.3740, 0.3216



19.5434, 0.2955, 0.1402



11.1955, 0.3863, 0.3206



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.



17.3827, 0.6312, 0.3251



21.3259, 0.6319, 0.3254



25.1980, 0.5720, 0.3840



15.0771, 0.3278, 0.3268



9.8704, 0.6292, 0.3240



0.7829, 0.6043, 0.3103

Inverse Universe

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



17.3827, 0.6312, 0.3251



21.3259, 0.6319, 0.3254



24.5933, 0.1862, 0.1903



15.0771, 0.3278, 0.3268



9.8704, 0.6292, 0.3240



0.7829, 0.6043, 0.3103

Previews

White Background



This preview shows how the Yxy color 17.3816, 0.6312, 0.3251 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 17.3816, 0.6312, 0.3251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 17.3816, 0.6312, 0.3251

Background



This preview shows how black text looks on a background with the Yxy color 17.3816, 0.6312, 0.3251.



This preview shows how white text looks on a background with the Yxy color 17.3816, 0.6312, 0.3251.

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

17.3816, 0.6312, 0.3251

Protanopia

17.9493, 0.4168, 0.4602

Deuteranopia

17.8842, 0.4690, 0.4658



Tritanopia

17.5253, 0.6343, 0.3346

Trichromacy



Original Color

17.3816, 0.6312, 0.3251

Protanomaly

13.4783, 0.5322, 0.3782

Deuteranomaly

14.1077, 0.5669, 0.3829

Tritanomaly

17.4612, 0.6343, 0.3309

Monochromacy



Original Color

17.3816, 0.6312, 0.3251

Achromatopsia

6.4803, 0.3127, 0.3290

Achromatomaly

7.0456, 0.4930, 0.3157

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.3816, 0.6312, 0.3251 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(233, 0, 22)` looks like.

```
.text, #text, p{  
  color:rgb(233, 0, 22)  
}
```

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(233, 0, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 0, 22) }
```

Border

The CSS property to change the border of an element to Yxy 17.3816, 0.6312, 0.3251 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(233, 0, 22) }
```

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

```
.border{ border-color:rgb(233, 0, 22) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(233, 0, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 0, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 0, 22);  
box-shadow:4px 4px 4px 4px rgb(233, 0, 22)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.3816, 0.6312, 0.3251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 0, 22) }
```

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

```
.background{ background-color: rgb(233, 0,  
22) }
```

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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