

Converting Colors

$Y_{xy}(14.4172, 0.6595, 0.2937)$

Have a look what the booklet for
Yxy(14.4172, 0.6595, 0.2937)
contains.

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Color

Yxy(17.4174, 0.6259, 0.3222)

Conversions

Conversions Part 1

Format	Color
Hex	E9001E
RGB	233, 0, 30
RGB Percent	91%, 0%, 12%
CMY	0.0863, 0.9993, 0.8824
CMYK	0.00, 1.00, 0.87, 0.09
HSL	352°, 100%, 46%
HSV	352°, 100%, 91%
XYZ	33.8347, 17.4174, 2.8056
YIQ	73.0870, 129.2380, 58.7260

Conversions

Conversions Part 2

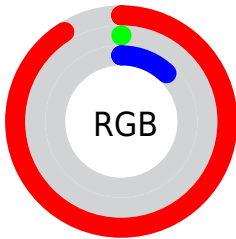
Format	Color
RYB	233, 0, 30
Decimal	15269918
CIELab	48.78, 75.13, 52.62
CIElCh	49, 91.723, 35.007
Yxy	17.4174, 0.6259, 0.3222
Android (android.graphics.Color)	4293459998 (0xFFE9001E)
YUV	73.0870, -21.2419, 140.2437
Hunter-Lab	41.7342, 71.6788, 25.2281

Details

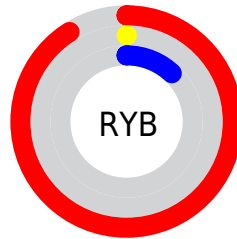
The Yxy color **17.4174, 0.6259, 0.3222** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **62.5905, 0.2362, 0.3701**, and the grayscale version is **6.7179, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.4501, 0.5389, 0.3420**, and **8.2155, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.4138, 0.6260, 0.3222**, and if you desaturate by 10%, it is **18.1858, 0.6007, 0.3167**.

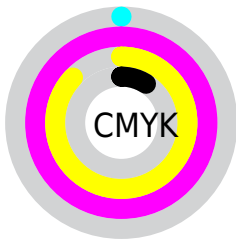
Distribution



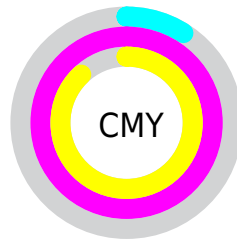
- Red (91%)
- Green (0%)
- Blue (12%)



- Red (91%)
- Yellow (0%)
- Blue (12%)



- Cyan (0%)
- Magenta (100%)
- Yellow (87%)
- Black (9%)




- Cyan (9%)
- Magenta (100%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.4174, 0.6259, 0.3222 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 17.4174, 0.6259, 0.3222 by changing the saturation by 10% instead.


 17.4174, 0.6259,
0.3222


 17.4174, 0.6259,
0.3222


237.5664, 0.4557,
0.3481


 10.5325, 0.6654,
0.3057


 39.0420, 0.5644,
0.3389


 5.7534, 0.7182,
0.2818

 54.5506, 0.5408,
0.3429


 2.6957, 0.7628,
0.2372

 73.7026, 0.5208,
0.3453

 0.9750, 0.8245,
0.1755

 96.8822, 0.5038,
0.3468


 0.0000, 1.0000,
0.0000


 124.4741, 0.4892,
0.3477

 0.0000, 0.0000,
0.0000


 156.8624, 0.4765,


0.3481


 194.4317, 0.4654,
0.3482


 17.4174, 0.6259,
0.3222


 17.4174, 0.6259,
0.3222


 17.4138, 0.6260,
0.3222

 18.1858, 0.6007,
0.3167

 19.7863, 0.5640,
0.3123

 22.4650, 0.5206,
0.3104

 26.3688, 0.4764,
0.3107

 31.6216, 0.4356,
0.3127

■ 38.3320, 0.4004,
0.3156

■ 46.5975, 0.3711,
0.3190

■ 56.5074, 0.3473,
0.3225

■ 68.1439, 0.3281,
0.3259

Harmonies

Analogous

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



17.4174, 0.5429, 0.2443



17.4174, 0.6259, 0.3222



17.4174, 0.5830, 0.4154

Triad

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



17.4174, 0.6259, 0.3222



17.4174, 0.2017, 0.6126



17.4174, 0.1206, 0.1166

Complementary

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



17.4174, 0.6259, 0.3222



62.5905, 0.2362, 0.3701

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.



17.4174, 0.0822, 0.1354



17.4174, 0.6259, 0.3222



17.4174, 0.1101, 0.3803

Square

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



17.4174, 0.6259, 0.3222



17.4174, 0.3290, 0.6476



17.4174, 0.0767, 0.2067



17.4174, 0.2074, 0.1300

Rectangle

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



17.4174, 0.6259, 0.3222



17.4174, 0.5084, 0.4916



17.4174, 0.0767, 0.2067



17.4174, 0.1035, 0.1188

Sweetspot

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



17.4185, 0.6259, 0.3222



56.9436, 0.3717, 0.3189



18.4349, 0.2870, 0.1355



11.2209, 0.3835, 0.3175



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.



17.4185, 0.6259, 0.3222



21.3678, 0.6268, 0.3226



23.9041, 0.5812, 0.3766



15.0854, 0.3273, 0.3260



9.8924, 0.6235, 0.3208



0.7869, 0.5927, 0.3039

Inverse Universe

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



17.4185, 0.6259, 0.3222



21.3678, 0.6268, 0.3226



26.9452, 0.1896, 0.2024



15.0854, 0.3273, 0.3260



9.8924, 0.6235, 0.3208



0.7869, 0.5927, 0.3039

Previews

White Background



This preview shows how the Yxy color 17.4174, 0.6259, 0.3222 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 17.4174, 0.6259, 0.3222 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 17.4174, 0.6259, 0.3222

Background



This preview shows how black text looks on a background with the Yxy color 17.4174, 0.6259, 0.3222.



This preview shows how white text looks on a background with the Yxy color 17.4174, 0.6259, 0.3222.

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

17.4174, 0.6259, 0.3222

Protanopia

18.0212, 0.4088, 0.4483

Deuteranopia

17.9779, 0.4703, 0.4648



Tritanopia

17.6921, 0.6343, 0.3345

Trichromacy



Original Color

17.4174, 0.6259, 0.3222



Protanomaly

13.5314, 0.5230, 0.3705



Deuteranomaly

14.2339, 0.5663, 0.3814



Tritanomaly

17.4678, 0.6333, 0.3304

Monochromacy



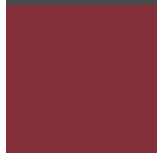
Original Color

17.4174, 0.6259, 0.3222



Achromatopsia

6.6626, 0.3127, 0.3290



Achromatomaly

7.1537, 0.4846, 0.3119

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.4174, 0.6259, 0.3222 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, 30)` looks like.

```
.text, #text, p{  
  color:rgb(233, 0, 30)  
}
```

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, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 0, 30) }
```

Border

The CSS property to change the border of an element to Yxy 17.4174, 0.6259, 0.3222 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, 30) }
```

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

```
.border{ border-color:rgb(233, 0, 30) }
```

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, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 0, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 0, 30);  
box-shadow:4px 4px 4px 4px rgb(233, 0, 30)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.4174, 0.6259, 0.3222 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, 30) }
```

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

```
.background{ background-color: rgb(233, 0,  
30) }
```

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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