

Converting Colors

$Y_{xy}(17.2052, 0.5752, 0.2942)$

Have a look what the booklet for
Yxy(17.2052, 0.5752, 0.2942)
contains.

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Color

Yxy(17.2909, 0.5751, 0.2942)

Conversions

Conversions Part 1

Format	Color
Hex	E60048
RGB	230, 0, 72
RGB Percent	90%, 0%, 28%
CMY	0.0981, 0.9995, 0.7178
CMYK	0.00, 1.00, 0.69, 0.10
HSL	341°, 100%, 45%
HSV	341°, 100%, 90%
XYZ	33.8001, 17.2909, 7.6816
YIQ	76.9780, 113.9680, 71.1520

Conversions

Conversions Part 2

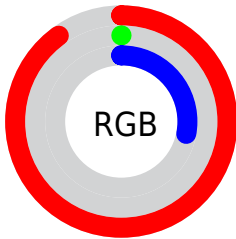
Format	Color
RYB	230, 0, 72
Decimal	15073352
CIELab	48.62, 75.69, 28.78
CIELCh	49, 80.973, 20.820
Yxy	17.2909, 0.5751, 0.2942
Android (android.graphics.Color)	4293263432 (0xFFE60048)
YUV	76.9780, -2.4542, 134.2003
Hunter-Lab	41.5823, 72.3243, 18.1549

Details

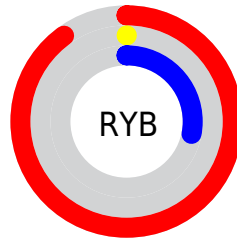
The Yxy color **17.2909, 0.5751, 0.2942** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **59.0638, 0.2544, 0.4357**, and the grayscale version is **7.4202, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.2704, 0.4856, 0.3034**, and **8.1957, 0.6123, 0.3146** is the 20% darker color. If you saturate the color by 10%, you get **17.2878, 0.5753, 0.2943**, and if you desaturate by 10%, it is **18.1407, 0.5447, 0.2848**.

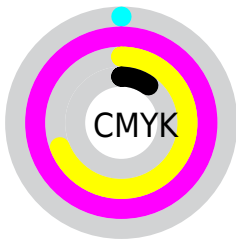
Distribution



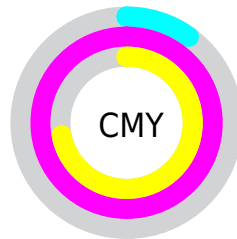
- Red (90%)
- Green (0%)
- Blue (28%)



- Red (90%)
- Yellow (0%)
- Blue (28%)



- Cyan (0%)
- Magenta (100%)
- Yellow (69%)
- Black (10%)





- Cyan (10%)
- Magenta (100%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.2909, 0.5751, 0.2942 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 17.2909, 0.5751, 0.2942 by changing the saturation by 10% instead.


 17.2909, 0.5751,
0.2942


 17.2909, 0.5751,
0.2942


236.8432, 0.4254,
0.3241


 10.4421, 0.6165,
0.2811


 38.8253, 0.5170,
0.3090


 5.6931, 0.6700,
0.2605

 54.2796, 0.4962,
0.3133

 2.6594, 0.7495,
0.2303

 73.3713, 0.4790,
0.3164


 0.9566, 0.8269,
0.1731

 96.4847, 0.4647,
0.3188

 0.0000, 1.0000,
0.0000

 124.0042, 0.4526,
0.3206

 0.0000, 0.0000,
0.0000

 156.3142, 0.4422,

0.3221

193.7990, 0.4332,
0.3232

■ 17.2909, 0.5751,
0.2942

■ 17.2909, 0.5751,
0.2942

■ 17.2878, 0.5753,
0.2943

■ 18.1407, 0.5447,
0.2848

■ 19.7772, 0.5100,
0.2795

■ 22.4358, 0.4738,
0.2789

■ 26.2541, 0.4392,
0.2822

■ 31.3482, 0.4081,
0.2884

■ 37.8200, 0.3812,
0.2961

■ 45.7609, 0.3587,
0.3045

■ 55.2546, 0.3402,
0.3130

■ 66.3782, 0.3250,
0.3213

Harmonies

Analogous

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



17.2909, 0.4463, 0.2203



17.2909, 0.5751, 0.2942



17.2909, 0.5910, 0.3750

Triad

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



17.2909, 0.5751, 0.2942



17.2909, 0.2737, 0.6195



17.2909, 0.1123, 0.1362

Complementary

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



17.2909, 0.5751, 0.2942



59.0638, 0.2544, 0.4357

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.



17.2909, 0.0911, 0.1761



17.2909, 0.5751, 0.2942



17.2909, 0.1643, 0.4769

Square

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



17.2909, 0.5751, 0.2942



17.2909, 0.3988, 0.5820



17.2909, 0.1038, 0.2828



17.2909, 0.1718, 0.1345

Rectangle

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



17.2909, 0.5751, 0.2942



17.2909, 0.5482, 0.4387



17.2909, 0.1038, 0.2828



17.2909, 0.1016, 0.1444

Sweetspot

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



17.2920, 0.5751, 0.2942



57.5837, 0.3592, 0.3043



12.9042, 0.2413, 0.1103



11.3685, 0.3683, 0.3007



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.



17.2920, 0.5751, 0.2942



21.8346, 0.5767, 0.2950



18.4974, 0.6224, 0.3440



14.4418, 0.3243, 0.3217



9.8076, 0.5712, 0.2920



0.7410, 0.5297, 0.2691

Inverse Universe

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



17.2920, 0.5751, 0.2942



21.8346, 0.5767, 0.2950



41.6164, 0.2079, 0.2684



14.4418, 0.3243, 0.3217



9.8076, 0.5712, 0.2920



0.7410, 0.5297, 0.2691

Previews

White Background



This preview shows how the Yxy color 17.2909, 0.5751, 0.2942 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 17.2909, 0.5751, 0.2942 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 17.2909, 0.5751, 0.2942

Background



This preview shows how black text looks on a background with the Yxy color 17.2909, 0.5751, 0.2942.

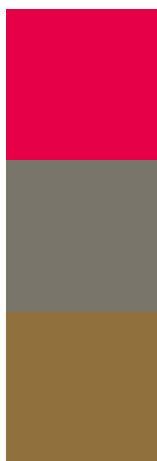


This preview shows how white text looks on a background with the Yxy color 17.2909, 0.5751, 0.2942.

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

17.2909, 0.5751, 0.2942

Protanopia

17.9008, 0.3326, 0.3504

Deuteranopia

17.8546, 0.4228, 0.4162



Tritanopia

17.6027, 0.6205, 0.3318

Trichromacy



Original Color

17.2909, 0.5751, 0.2942



Protanomaly

13.4174, 0.4292, 0.2994



Deuteranomaly

14.0021, 0.5034, 0.3375



Tritanomaly

17.2839, 0.6109, 0.3205

Monochromacy



Original Color

17.2909, 0.5751, 0.2942



Achromatopsia

7.4214, 0.3127, 0.3290



Achromatomaly

7.6912, 0.4421, 0.2824

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2909, 0.5751, 0.2942 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(230, 0, 72)` looks like.

```
.text, #text, p{  
  color:rgb(230, 0, 72)  
}
```

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(230, 0, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 0, 72) }
```

Border

The CSS property to change the border of an element to Yxy 17.2909, 0.5751, 0.2942 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(230, 0, 72) }
```

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

```
.border{ border-color:rgb(230, 0, 72) }
```

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

Here you see how a box with a 4 pixel rgb(230, 0, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 0, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 0, 72);  
box-shadow:4px 4px 4px 4px rgb(230, 0, 72)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.2909, 0.5751, 0.2942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 0, 72) }
```

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

```
.background{ background-color: rgb(230, 0,  
72) }
```

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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