

Converting Colors

$Y_{xy}(17.6291, 0.5765, 0.2950)$

Have a look what the booklet for
Yxy(17.6291, 0.5765, 0.2950)
contains.

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Color

Yxy(17.6237, 0.5762, 0.2948)

Conversions

Conversions Part 1

Format	Color
Hex	E80048
RGB	232, 0, 72
RGB Percent	91%, 0%, 28%
CMY	0.0902, 0.9995, 0.7178
CMYK	0.00, 1.00, 0.69, 0.09
HSL	341°, 100%, 46%
HSV	341°, 100%, 91%
XYZ	34.4463, 17.6237, 7.7119
YIQ	77.5760, 115.1600, 71.5760

Conversions

Conversions Part 2

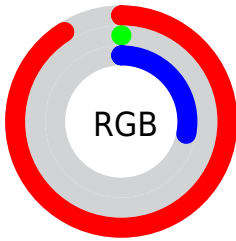
Format	Color
R_{YB}	232, 0, 72
Decimal	15204424
CIE _{Lab}	49.04, 76.15, 29.38
CIE _{LCh}	49, 81.625, 21.099
Yxy	17.6237, 0.5762, 0.2948
Android (android.graphics.Color)	4293394504 (0xFFE80048)
YUV	77.5760, -2.7490, 135.4298
Hunter-Lab	41.9806, 72.9985, 18.4948

Details

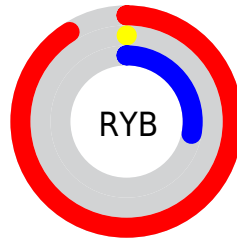
The Yxy color **17.6237, 0.5762, 0.2948** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **60.2536, 0.2541, 0.4348**, and the grayscale version is **7.5361, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4448, 0.4851, 0.3042**, and **8.3042, 0.6126, 0.3148** is the 20% darker color. If you saturate the color by 10%, you get **17.6212, 0.5763, 0.2949**, and if you desaturate by 10%, it is **18.4845, 0.5458, 0.2854**.

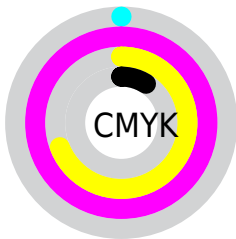
Distribution



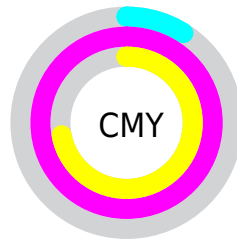
- Red (91%)
- Green (0%)
- Blue (28%)



- Red (91%)
- Yellow (0%)
- Blue (28%)



- Cyan (0%)
- Magenta (100%)
- Yellow (69%)
- Black (9%)




- Cyan (9%)
- Magenta (100%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.6237, 0.5762, 0.2948 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 17.6237, 0.5762, 0.2948 by changing the saturation by 10% instead.


 17.6237, 0.5762,
0.2948


 17.6237, 0.5762,
0.2948


238.7414, 0.4263,
0.3245


 10.6802, 0.6173,
0.2817


 39.3951, 0.5182,
0.3095


 5.8522, 0.6703,
0.2613

 54.9917, 0.4974,
0.3138


 2.7554, 0.7485,
0.2313

 74.2415, 0.4802,
0.3169

 1.0054, 0.8251,
0.1749

 97.5288, 0.4658,
0.3193

 0.0000, 1.0000,
0.0000

 125.2380, 0.4537,
0.3211

 0.0000, 0.0000,
0.0000

 157.7536, 0.4432,

0.3225

195.4599, 0.4342,
0.3236

■ 17.6237, 0.5762,
0.2948

■ 17.6237, 0.5762,
0.2948

■ 17.6212, 0.5763,
0.2949

■ 18.4845, 0.5458,
0.2854

■ 20.1486, 0.5110,
0.2800

■ 22.8556, 0.4746,
0.2793

■ 26.7463, 0.4399,
0.2826

■ 31.9395, 0.4086,
0.2887

■ 38.5391, 0.3816,
0.2963

■ 46.6388, 0.3590,
0.3047

■ 56.3239, 0.3403,
0.3132

■ 67.6733, 0.3251,
0.3213

Harmonies

Analogous

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



17.6237, 0.4481, 0.2208



17.6237, 0.5762, 0.2948



17.6237, 0.5910, 0.3757

Triad

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



17.6237, 0.5762, 0.2948



17.6237, 0.2724, 0.6196



17.6237, 0.1125, 0.1359

Complementary

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



17.6237, 0.5762, 0.2948



60.2536, 0.2541, 0.4348

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.



17.6237, 0.0909, 0.1753



17.6237, 0.5762, 0.2948



17.6237, 0.1633, 0.4752

Square

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



17.6237, 0.5762, 0.2948



17.6237, 0.3975, 0.5830



17.6237, 0.1033, 0.2812



17.6237, 0.1724, 0.1345

Rectangle

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



17.6237, 0.5762, 0.2948



17.6237, 0.5476, 0.4396



17.6237, 0.1033, 0.2812



17.6237, 0.1016, 0.1439

Sweetspot

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



17.6248, 0.5762, 0.2948



57.5741, 0.3594, 0.3045



13.1550, 0.2412, 0.1103



11.3662, 0.3685, 0.3010



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.



17.6248, 0.5762, 0.2948



21.8248, 0.5776, 0.2956



18.8558, 0.6225, 0.3439



14.4412, 0.3244, 0.3217



9.8031, 0.5721, 0.2925



0.7406, 0.5306, 0.2697

Inverse Universe

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



17.6248, 0.5762, 0.2948



21.8248, 0.5776, 0.2956



42.4300, 0.2079, 0.2684



14.4412, 0.3244, 0.3217



9.8031, 0.5721, 0.2925



0.7406, 0.5306, 0.2697

Previews

White Background



This preview shows how the Yxy color 17.6237, 0.5762, 0.2948 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 17.6237, 0.5762, 0.2948 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 17.6237, 0.5762, 0.2948

Background



This preview shows how black text looks on a background with the Yxy color 17.6237, 0.5762, 0.2948.

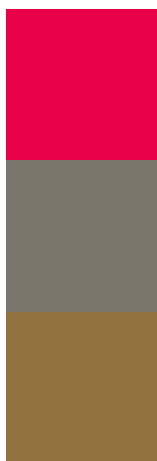


This preview shows how white text looks on a background with the Yxy color 17.6237, 0.5762, 0.2948.

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

17.6237, 0.5762, 0.2948

Protanopia

18.2294, 0.3324, 0.3502

Deuteranopia

18.1669, 0.4231, 0.4172



Tritanopia

17.9336, 0.6209, 0.3318

Trichromacy



Original Color

17.6237, 0.5762, 0.2948



Protanomaly

13.6268, 0.4321, 0.2998



Deuteranomaly

14.3635, 0.5046, 0.3387



Tritanomaly

17.5816, 0.6118, 0.3204

Monochromacy



Original Color

17.6237, 0.5762, 0.2948



Achromatopsia

7.6185, 0.3127, 0.3290



Achromatomaly

7.8713, 0.4407, 0.2826

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.6237, 0.5762, 0.2948 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(232, 0, 72)` looks like.

```
.text, #text, p{  
    color:rgb(232, 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(232, 0, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 72) }
```

Border

The CSS property to change the border of an element to Yxy 17.6237, 0.5762, 0.2948 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(232, 0, 72) }
```

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

```
.border{ border-color:rgb(232, 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(232, 0, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 72);  
box-shadow:4px 4px 4px 4px rgb(232, 0, 72)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.6237, 0.5762, 0.2948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 0, 72) }
```

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

```
.background{ background-color: rgb(232, 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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