

Converting Colors

Yxy(7.4938, 0.6285, 0.1584)

Have a look what the booklet for
Yxy(7.4938, 0.6285, 0.1584)
contains.

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Color

Yxy(17.7616, 0.5420, 0.2760)

Conversions

Conversions Part 1

Format	Color
Hex	E7005C
RGB	231, 0, 92
RGB Percent	91%, 0%, 36%
CMY	0.0942, 0.9989, 0.6393
CMYK	0.00, 1.00, 0.60, 0.09
HSL	336°, 100%, 45%
HSV	336°, 100%, 91%
XYZ	34.8797, 17.7616, 11.7124
YIQ	79.5570, 108.1440, 77.5840

Conversions

Conversions Part 2

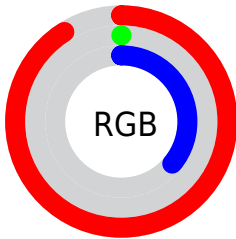
Format	Color
R_{YB}	231, 0, 92
Decimal	15138908
CIE Lab	49.21, 76.91, 17.31
CIE LCh	49, 78.835, 12.681
Yxy	17.7616, 0.5420, 0.2760
Android (android.graphics.Color)	4293328988 (0xFFE7005C)
YUV	79.5570, 6.1344, 132.8155
Hunter-Lab	42.1445, 73.9774, 13.0239

Details

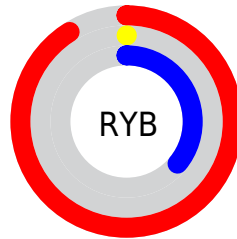
The Yxy color **17.7616, 0.5420, 0.2760** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed red. A complement of this color would be **59.0094, 0.2630, 0.4668**, and the grayscale version is **7.9348, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0417, 0.4548, 0.2821**, and **8.4207, 0.5809, 0.2974** is the 20% darker color. If you saturate the color by 10%, you get **17.7538, 0.5423, 0.2761**, and if you desaturate by 10%, it is **18.6505, 0.5135, 0.2671**.

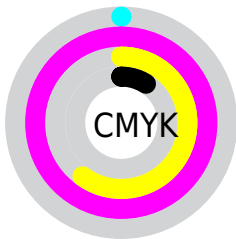
Distribution



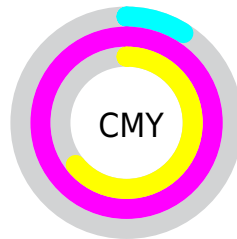
- Red (91%)
- Green (0%)
- Blue (36%)



- Red (91%)
- Yellow (0%)
- Blue (36%)



- Cyan (0%)
- Magenta (100%)
- Yellow (60%)
- Black (9%)





- Cyan (9%)
- Magenta (100%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.7616, 0.5420, 0.2760 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 17.7616, 0.5420, 0.2760 by changing the saturation by 10% instead.


 17.7616, 0.5420,
0.2760


 17.7616, 0.5420,
0.2760


239.5239, 0.4106,
0.3117

 10.7790, 0.5797,
0.2633


 39.6307, 0.4903,
0.2916


 5.9184, 0.6303,
0.2444

 55.2859, 0.4721,
0.2967

 2.7955, 0.6994,
0.2151

 74.6008, 0.4571,
0.3006

 1.0259, 0.8256,
0.1744

 97.9597, 0.4447,
0.3037

 0.0000, 1.0000,
0.0000

 125.7471, 0.4342,
0.3063

 0.0000, 0.0000,
0.0000

 158.3473, 0.4252,

0.3084

196.1448, 0.4174,
0.3102

■ 17.7616, 0.5420,
0.2760

■ 17.7616, 0.5420,
0.2760

■ 17.7538, 0.5423,
0.2761

■ 18.6505, 0.5135,
0.2671

■ 20.3268, 0.4827,
0.2629

■ 23.0244, 0.4515,
0.2639

■ 26.8811, 0.4220,
0.2692

■ 32.0132, 0.3955,
0.2774

■ 38.5225, 0.3725,
0.2873

■ 46.5005, 0.3531,
0.2980

■ 56.0308, 0.3369,
0.3088

■ 67.1906, 0.3235,
0.3193

Harmonies

Analogous

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



17.7616, 0.3985, 0.2058



17.7616, 0.5420, 0.2760



17.7616, 0.5904, 0.3540

Triad

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



17.7616, 0.5420, 0.2760



17.7616, 0.3100, 0.6140



17.7616, 0.1076, 0.1471

Complementary

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



17.7616, 0.5420, 0.2760



59.0094, 0.2630, 0.4668

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.



17.7616, 0.0956, 0.2011



17.7616, 0.5420, 0.2760



17.7616, 0.1951, 0.5229

Square

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



17.7616, 0.5420, 0.2760



17.7616, 0.4324, 0.5505



17.7616, 0.1199, 0.3292



17.7616, 0.1550, 0.1363

Rectangle

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



17.7616, 0.5420, 0.2760



17.7616, 0.5636, 0.4123



17.7616, 0.1199, 0.3292



17.7616, 0.1000, 0.1591

Sweetspot

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



17.7627, 0.5420, 0.2760



57.8992, 0.3536, 0.2977



11.2365, 0.2220, 0.0997



11.4421, 0.3614, 0.2931



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.



17.7627, 0.5420, 0.2760



22.2069, 0.5437, 0.2769



17.6114, 0.6332, 0.3353



14.4624, 0.3230, 0.3197



9.9787, 0.5382, 0.2739



0.7553, 0.4995, 0.2525

Inverse Universe

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



17.7627, 0.5420, 0.2760



22.2069, 0.5437, 0.2769



50.8337, 0.2158, 0.2969



14.4624, 0.3230, 0.3197



9.9787, 0.5382, 0.2739



0.7553, 0.4995, 0.2525

Previews

White Background



This preview shows how the Yxy color 17.7616, 0.5420, 0.2760 looks on a white background.

Color Contrast Check

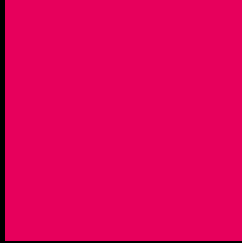
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.7616, 0.5420, 0.2760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

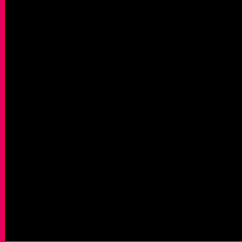
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.7616, 0.5420, 0.2760

Background



This preview shows how black text looks on a background with the Yxy color 17.7616, 0.5420, 0.2760.

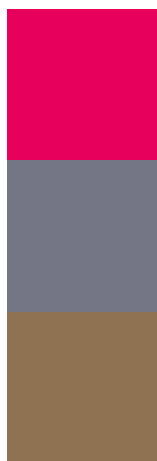


This preview shows how white text looks on a background with the Yxy color 17.7616, 0.5420, 0.2760.

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

17.7616, 0.5420, 0.2760

Protanopia

18.3911, 0.2923, 0.2989

Deuteranopia

18.3946, 0.3925, 0.3861



Tritanopia

18.1025, 0.6083, 0.3309

Trichromacy



Original Color

17.7616, 0.5420, 0.2760



Protanomaly

13.6332, 0.3791, 0.2591



Deuteranomaly

14.4356, 0.4636, 0.3110



Tritanomaly

17.7618, 0.5925, 0.3125

Monochromacy



Original Color

17.7616, 0.5420, 0.2760



Achromatopsia

8.0220, 0.3127, 0.3290



Achromatomaly

8.1586, 0.4227, 0.2699

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7616, 0.5420, 0.2760 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(231, 0, 92)` looks like.

```
.text, #text, p{  
    color:rgb(231, 0, 92)  
}
```

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(231, 0, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 0, 92) }
```

Border

The CSS property to change the border of an element to Yxy 17.7616, 0.5420, 0.2760 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(231, 0, 92) }
```

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

```
.border{ border-color:rgb(231, 0, 92) }
```

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

Here you see how a box with a 4 pixel rgb(231, 0, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 0, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 0, 92);  
box-shadow:4px 4px 4px 4px rgb(231, 0, 92)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.7616, 0.5420, 0.2760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 0, 92) }
```

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

```
.background{ background-color: rgb(231, 0,  
92) }
```

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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