

Converting Colors

$Yxy(8.4680, 0.6251, 0.1814)$

Have a look what the booklet for
Yxy(8.4680, 0.6251, 0.1814)
contains.

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Color

Yxy(17.0190, 0.5479, 0.2792)

Conversions

Conversions Part 1

Format	Color
Hex	E30057
RGB	227, 0, 87
RGB Percent	89%, 0%, 34%
CMY	0.1098, 0.9997, 0.6589
CMYK	0.00, 1.00, 0.62, 0.11
HSL	337°, 100%, 45%
HSV	337°, 100%, 89%
XYZ	33.3980, 17.0190, 10.5393
YIQ	77.7910, 107.3650, 75.1810

Conversions

Conversions Part 2

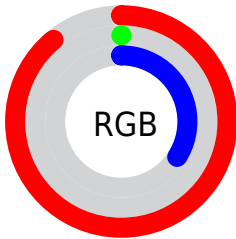
Format	Color
RYB	227, 0, 87
Decimal	14876759
CIELab	48.28, 75.74, 19.01
CIElCh	48, 78.091, 14.086
Yxy	17.0190, 0.5479, 0.2792
Android (android.graphics.Color)	4293066839 (0xFFE30057)
YUV	77.7910, 4.5400, 130.8563
Hunter-Lab	41.2541, 72.3131, 13.7308

Details

The Yxy color **17.0190, 0.5479, 0.2792** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **56.8330, 0.2615, 0.4615**, and the grayscale version is **7.5617, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.6919, 0.4635, 0.2873**, and **7.9609, 0.5863, 0.3004** is the 20% darker color. If you saturate the color by 10%, you get **17.0176, 0.5480, 0.2792**, and if you desaturate by 10%, it is **17.8739, 0.5189, 0.2702**.

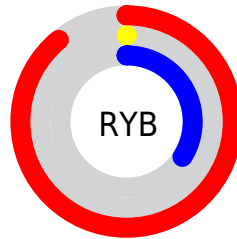
Distribution



Red (89%)

Green (0%)

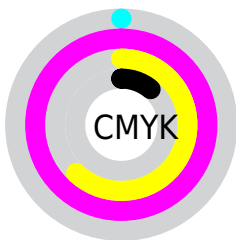
Blue (34%)



Red (89%)

Yellow (0%)

Blue (34%)

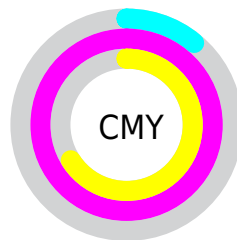


Cyan (0%)

Magenta (100%)

Yellow (62%)

Black (11%)



Cyan (11%)


Magenta (100%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.0190, 0.5479, 0.2792 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 17.0190, 0.5479, 0.2792 by changing the saturation by 10% instead.


 17.0190, 0.5479,
0.2792

 17.0190, 0.5479,
0.2792


235.2818, 0.4124,
0.3139

 10.2480, 0.5870,
0.2663


 38.3584, 0.4945,
0.2948

 5.5637, 0.6393,
0.2468

 53.6957, 0.4756,
0.2997

 2.5817, 0.7107,
0.2161

 72.6572, 0.4602,
0.3035

 0.9175, 0.8296,
0.1704

 95.6273, 0.4474,
0.3065

 0.0000, 1.0000,
0.0000

 122.9904, 0.4366,
0.3089

 0.0000, 0.0000,
0.0000

 155.1310, 0.4273,

0.3109

192.4333, 0.4193,
0.3125

■ 17.0190, 0.5479,
0.2792

■ 17.0190, 0.5479,
0.2792

■ 17.0176, 0.5480,
0.2792

■ 17.8739, 0.5189,
0.2702

■ 19.4816, 0.4874,
0.2658

■ 22.0712, 0.4554,
0.2665

■ 25.7749, 0.4250,
0.2714

■ 30.7045, 0.3977,
0.2792

■ 36.9576, 0.3741,
0.2888

■ 44.6221, 0.3541,
0.2991

■ 53.7784, 0.3375,
0.3095

■ 64.5005, 0.3239,
0.3195

Harmonies

Analogous

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



17.0190, 0.4065, 0.2083



17.0190, 0.5479, 0.2792



17.0190, 0.5909, 0.3576

Triad

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



17.0190, 0.5479, 0.2792



17.0190, 0.3039, 0.6154



17.0190, 0.1084, 0.1452

Complementary

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



17.0190, 0.5479, 0.2792



56.8330, 0.2615, 0.4615

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.



17.0190, 0.0948, 0.1966



17.0190, 0.5479, 0.2792



17.0190, 0.1898, 0.5155

Square

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



17.0190, 0.5479, 0.2792



17.0190, 0.4269, 0.5559



17.0190, 0.1171, 0.3210



17.0190, 0.1577, 0.1360

Rectangle

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



17.0190, 0.5479, 0.2792



17.0190, 0.5611, 0.4166



17.0190, 0.1171, 0.3210



17.0190, 0.1003, 0.1565

Sweetspot

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



17.0201, 0.5479, 0.2792



57.8444, 0.3545, 0.2988



11.1240, 0.2258, 0.1018



11.4293, 0.3626, 0.2944



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.



17.0201, 0.5479, 0.2792



22.1356, 0.5496, 0.2801



17.0940, 0.6315, 0.3367



14.4589, 0.3232, 0.3200



9.9461, 0.5441, 0.2771



0.7527, 0.5047, 0.2554

Inverse Universe

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



17.0201, 0.5479, 0.2792



22.1356, 0.5496, 0.2801



47.0977, 0.2143, 0.2913



14.4589, 0.3232, 0.3200



9.9461, 0.5441, 0.2771



0.7527, 0.5047, 0.2554

Previews

White Background



This preview shows how the Yxy color 17.0190, 0.5479, 0.2792 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 17.0190, 0.5479, 0.2792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

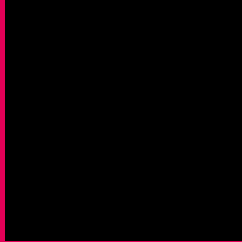
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.0190, 0.5479, 0.2792

Background



This preview shows how black text looks on a background with the Yxy color 17.0190, 0.5479, 0.2792.



This preview shows how white text looks on a background with the Yxy color 17.0190, 0.5479, 0.2792.

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

17.0190, 0.5479, 0.2792

Protanopia

17.6679, 0.2987, 0.3078

Deuteranopia

17.4801, 0.3984, 0.3904



Tritanopia

17.3139, 0.6107, 0.3313

Trichromacy



Original Color

17.0190, 0.5479, 0.2792



Protanomaly

13.1353, 0.3888, 0.2676



Deuteranomaly

13.8712, 0.4717, 0.3153



Tritanomaly

16.9905, 0.5966, 0.3141

Monochromacy



Original Color

17.0190, 0.5479, 0.2792



Achromatopsia

7.6185, 0.3127, 0.3290



Achromatomaly

7.7808, 0.4250, 0.2724

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.0190, 0.5479, 0.2792 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(227, 0, 87)` looks like.

```
.text, #text, p{  
    color:rgb(227, 0, 87)  
}
```

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(227, 0, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 0, 87) }
```

Border

The CSS property to change the border of an element to Yxy 17.0190, 0.5479, 0.2792 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(227, 0, 87) }
```

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

```
.border{ border-color:rgb(227, 0, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 0, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 0, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 0, 87);  
box-shadow:4px 4px 4px 4px rgb(227, 0, 87)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.0190, 0.5479, 0.2792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 0, 87) }
```

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

```
.background{ background-color: rgb(227, 0,  
87) }
```

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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