

Converting Colors

$Yxy(17.4194, 0.5590, 0.3057)$

Have a look what the booklet for
Yxy(17.4194, 0.5590, 0.3057)
contains.

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Color

Yxy(17.3447, 0.5594, 0.3059)

Conversions

Conversions Part 1

Format	Color
Hex	DD2847
RGB	221, 40, 71
RGB Percent	87%, 16%, 28%
CMY	0.1333, 0.8432, 0.7216
CMYK	0.00, 0.82, 0.68, 0.13
HSL	350°, 73%, 51%
HSV	350°, 82%, 87%
XYZ	31.7183, 17.3447, 7.6376
YIQ	97.6530, 97.9250, 48.0130

Conversions

Conversions Part 2

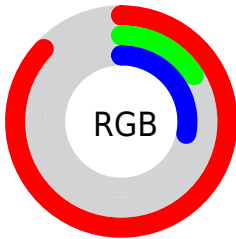
Format	Color
RYB	221, 40, 71
Decimal	14493767
CIELab	48.69, 67.97, 29.05
CIELCh	49, 73.919, 23.145
Yxy	17.3447, 0.5594, 0.3059
Android (android.graphics.Color)	4292683847 (0xFFDD2847)
YUV	97.6530, -13.1399, 108.1753
Hunter-Lab	41.6470, 63.0632, 18.2798

Details

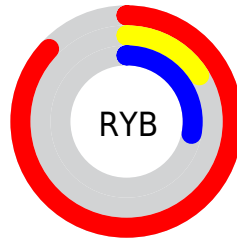
The Yxy color **17.3447, 0.5594, 0.3059** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **55.8886, 0.2410, 0.3738**, and the grayscale version is **12.1367, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6951, 0.4796, 0.3160**, and **7.3529, 0.6108, 0.3139** is the 20% darker color. If you saturate the color by 10%, you get **16.0573, 0.5951, 0.3115**, and if you desaturate by 10%, it is **19.5554, 0.5176, 0.3034**.

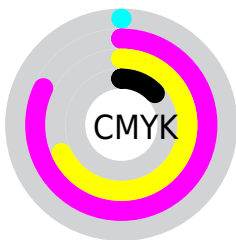
Distribution



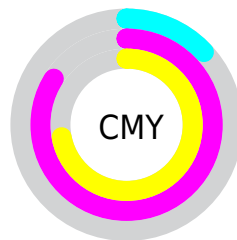
- Red (87%)
- Green (16%)
- Blue (28%)



- Red (87%)
- Yellow (16%)
- Blue (28%)



- Cyan (0%)
- Magenta (82%)
- Yellow (68%)
- Black (13%)




- Cyan (13%)
- Magenta (84%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.3447, 0.5594, 0.3059 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 17.3447, 0.5594, 0.3059 by changing the saturation by 10% instead.


 17.3447, 0.5594,
0.3059


 17.3447, 0.5594,
0.3059


237.1510, 0.4181,
0.3287


 10.4806, 0.5990,
0.2947


 38.9175, 0.5043,
0.3179


 5.7187, 0.6507,
0.2765

 54.3949, 0.4846,
0.3212

 2.6748, 0.7298,
0.2495

 73.5123, 0.4684,
0.3235

 0.9644, 0.8070,
0.1930

 96.6539, 0.4549,
0.3252

 0.0000, 1.0000,
0.0000

 124.2042, 0.4436,
0.3265

 0.0000, 0.0000,
0.0000

 156.5475, 0.4338,

0.3274

194.0683, 0.4254,
0.3282

■ 17.3447, 0.5594,
0.3059

■ 17.3447, 0.5594,
0.3059

■ 16.0573, 0.5951,
0.3115

■ 19.5554, 0.5176,
0.3034


■ 15.5135, 0.6168,
0.3172

■ 22.8188, 0.4752,
0.3038


■ 27.2467, 0.4358,
0.3063


■ 32.9358, 0.4016,
0.3102

■ 39.9729, 0.3730,
0.3147

 48.4367, 0.3496,
0.3194

 58.4000, 0.3306,
0.3239

 69.9308, 0.3153,
0.3282

 83.0926, 0.3029,
0.3322

Harmonies

Analogous

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



17.3447, 0.4472, 0.2334



17.3447, 0.5594, 0.3059



17.3447, 0.5708, 0.3857

Triad

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



17.3447, 0.5594, 0.3059



17.3447, 0.2730, 0.5872



17.3447, 0.1264, 0.1465

Complementary

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



17.3447, 0.5594, 0.3059



55.8886, 0.2410, 0.3738

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.



17.3447, 0.1034, 0.1829



17.3447, 0.5594, 0.3059



17.3447, 0.1704, 0.4483

Square

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



17.3447, 0.5594, 0.3059



17.3447, 0.3908, 0.5720



17.3447, 0.1145, 0.2784



17.3447, 0.1877, 0.1467

Rectangle

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



17.3447, 0.5594, 0.3059



17.3447, 0.5298, 0.4464



17.3447, 0.1145, 0.2784



17.3447, 0.1150, 0.1538

Sweetspot

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



17.3458, 0.5594, 0.3059



62.9032, 0.3568, 0.3178



17.4068, 0.2831, 0.1428



12.5779, 0.3651, 0.3162



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.



17.3458, 0.5594, 0.3059



21.5834, 0.6137, 0.3167



24.1341, 0.5435, 0.3801



13.0878, 0.3265, 0.3250



9.0222, 0.6137, 0.3155



0.5958, 0.5711, 0.2920

Inverse Universe

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



17.3458, 0.5594, 0.3059



21.5834, 0.6137, 0.3167



32.1112, 0.2050, 0.2425



13.0878, 0.3265, 0.3250



9.0222, 0.6137, 0.3155



0.5958, 0.5711, 0.2920

Previews

White Background



This preview shows how the Yxy color 17.3447, 0.5594, 0.3059 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 17.3447, 0.5594, 0.3059 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

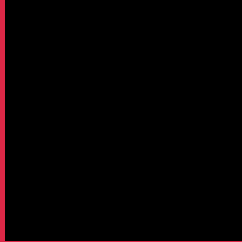
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.3447, 0.5594, 0.3059

Background



This preview shows how black text looks on a background with the Yxy color 17.3447, 0.5594, 0.3059.

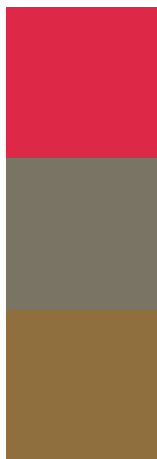


This preview shows how white text looks on a background with the Yxy color 17.3447, 0.5594, 0.3059.

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

17.3447, 0.5594, 0.3059

Protanopia

17.5485, 0.3403, 0.3604

Deuteranopia

17.5454, 0.4225, 0.4152



Tritanopia

17.3669, 0.5884, 0.3298

Trichromacy



Original Color

17.3447, 0.5594, 0.3059

Protanomaly

14.9698, 0.4245, 0.3277

Deuteranomaly

15.5366, 0.4835, 0.3578

Tritanomaly

17.2928, 0.5791, 0.3220

Monochromacy



Original Color

17.3447, 0.5594, 0.3059

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

11.8520, 0.4112, 0.3096

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.3447, 0.5594, 0.3059 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(221, 40, 71)` looks like.

```
.text, #text, p{  
    color:rgb(221, 40, 71)  
}
```

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(221, 40, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 40, 71) }
```

Border

The CSS property to change the border of an element to Yxy 17.3447, 0.5594, 0.3059 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(221, 40, 71) }
```

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

```
.border{ border-color:rgb(221, 40, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 40, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 40, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 40, 71);  
box-shadow:4px 4px 4px 4px rgb(221, 40,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 17.3447, 0.5594, 0.3059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 40, 71) }
```

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

```
.background{ background-color: rgb(221, 40,  
71) }
```

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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