

Converting Colors

$Y_{xy}(17.3357, 0.5720, 0.2984)$

Have a look what the booklet for
Yxy(17.3357, 0.5720, 0.2984)
contains.

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Color

Yxy(17.4147, 0.5719, 0.2985)

Conversions

Conversions Part 1

Format	Color
Hex	E41347
RGB	228, 19, 71
RGB Percent	89%, 7%, 28%
CMY	0.1059, 0.9254, 0.7216
CMYK	0.00, 0.92, 0.69, 0.11
HSL	345°, 85%, 48%
HSV	345°, 92%, 89%
XYZ	33.3650, 17.4147, 7.5610
YIQ	87.4190, 107.8720, 60.4800

Conversions

Conversions Part 2

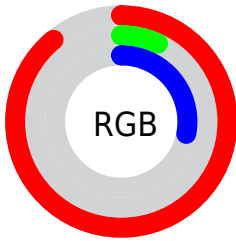
Format	Color
R_{YB}	228, 19, 71
Decimal	14947143
CIE _{Lab}	48.78, 73.50, 29.48
CIE _{LCh}	49, 79.188, 21.857
Yxy	17.4147, 0.5719, 0.2985
Android (android.graphics.Color)	4293137223 (0xFFE41347)
YUV	87.4190, -8.0946, 123.2895
Hunter-Lab	41.7309, 69.6867, 18.4693

Details

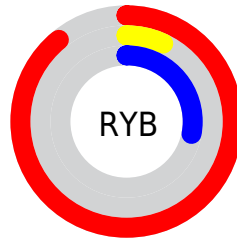
The Yxy color **17.4147, 0.5719, 0.2985** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **58.7629, 0.2470, 0.4048**, and the grayscale version is **9.6305, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1413, 0.4842, 0.3087**, and **7.9764, 0.6130, 0.3151** is the 20% darker color. If you saturate the color by 10%, you get **16.7864, 0.5966, 0.3060**, and if you desaturate by 10%, it is **18.8449, 0.5362, 0.2922**.

Distribution



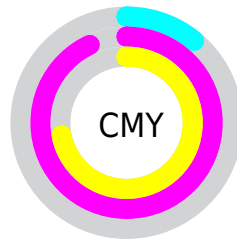
- Red (89%)
- Green (7%)
- Blue (28%)



- Red (89%)
- Yellow (7%)
- Blue (28%)



- Cyan (0%)
- Magenta (92%)
- Yellow (69%)
- Black (11%)




- Cyan (11%)
- Magenta (93%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.4147, 0.5719, 0.2985 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 17.4147, 0.5719, 0.2985 by changing the saturation by 10% instead.


 17.4147, 0.5719,
0.2985

 17.4147, 0.5719,
0.2985


237.5510, 0.4240,
0.3261


 10.5306, 0.6127,
0.2859


 39.0374, 0.5145,
0.3124


 5.7522, 0.6656,
0.2660

 54.5448, 0.4940,
0.3164


 2.6950, 0.7453,
0.2369

 73.6955, 0.4770,
0.3193

 0.9746, 0.8206,
0.1794

 96.8738, 0.4629,
0.3214

 0.0000, 1.0000,
0.0000

 124.4640, 0.4509,
0.3230

 0.0000, 0.0000,
0.0000

 156.8507, 0.4407,

0.3243

194.4183, 0.4318,
0.3253

■ 17.4147, 0.5719,
0.2985

■ 17.4147, 0.5719,
0.2985

■ 16.7864, 0.5966,
0.3060

■ 18.8449, 0.5362,
0.2922

■ 21.2580, 0.4970,
0.2900

■ 24.7958, 0.4583,
0.2916

■ 29.5760, 0.4231,
0.2958

■ 35.7011, 0.3925,
0.3017

■ 43.2633, 0.3669,
0.3084

■ 52.3461, 0.3458,
0.3152

■ 63.0271, 0.3286,
0.3218

■ 75.3781, 0.3147,
0.3280

Harmonies

Analogous

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



17.4147, 0.4489, 0.2248



17.4147, 0.5719, 0.2985



17.4147, 0.5850, 0.3792

Triad

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



17.4147, 0.5719, 0.2985



17.4147, 0.2720, 0.6101



17.4147, 0.1166, 0.1387

Complementary

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



17.4147, 0.5719, 0.2985



58.7629, 0.2470, 0.4048

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.



17.4147, 0.0944, 0.1770



17.4147, 0.5719, 0.2985



17.4147, 0.1648, 0.4659

Square

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



17.4147, 0.5719, 0.2985



17.4147, 0.3948, 0.5805



17.4147, 0.1062, 0.2794



17.4147, 0.1772, 0.1380

Rectangle

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



17.4147, 0.5719, 0.2985



17.4147, 0.5419, 0.4423



17.4147, 0.1062, 0.2794



17.4147, 0.1055, 0.1465

Sweetspot

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



17.4158, 0.5719, 0.2985



60.7655, 0.3569, 0.3114



15.2705, 0.2630, 0.1252



12.1786, 0.3645, 0.3091



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.



17.4158, 0.5719, 0.2985



21.6233, 0.5980, 0.3068



21.0830, 0.5894, 0.3614



14.4265, 0.3253, 0.3232



9.7089, 0.5929, 0.3040



0.7320, 0.5515, 0.2812

Inverse Universe

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



17.4158, 0.5719, 0.2985



21.6233, 0.5980, 0.3068



36.6968, 0.2047, 0.2524



14.4265, 0.3253, 0.3232



9.7089, 0.5929, 0.3040



0.7320, 0.5515, 0.2812

Previews

White Background



This preview shows how the Yxy color 17.4147, 0.5719, 0.2985 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 17.4147, 0.5719, 0.2985 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 17.4147, 0.5719, 0.2985

Background



This preview shows how black text looks on a background with the Yxy color 17.4147, 0.5719, 0.2985.

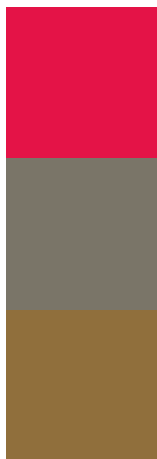


This preview shows how white text looks on a background with the Yxy color 17.4147, 0.5719, 0.2985.

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

17.4147, 0.5719, 0.2985

Protanopia

17.8596, 0.3350, 0.3544

Deuteranopia

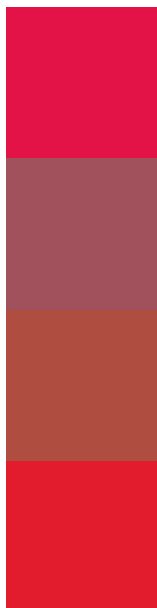
17.6244, 0.4250, 0.4161



Tritanopia

17.5123, 0.6139, 0.3313

Trichromacy



Original Color

17.4147, 0.5719, 0.2985

Protanomaly

14.2346, 0.4288, 0.3118

Deuteranomaly

14.9329, 0.4975, 0.3483

Tritanomaly

17.3509, 0.6027, 0.3211

Monochromacy



Original Color

17.4147, 0.5719, 0.2985

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

9.4426, 0.4276, 0.2949

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.4147, 0.5719, 0.2985 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(228, 19, 71)` looks like.

```
.text, #text, p{  
    color:rgb(228, 19, 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(228, 19, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 19, 71) }
```

Border

The CSS property to change the border of an element to Yxy 17.4147, 0.5719, 0.2985 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(228, 19, 71) }
```

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

```
.border{ border-color:rgb(228, 19, 71) }
```

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

Here you see how a box with a 4 pixel rgb(228, 19, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 19, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 19, 71);  
box-shadow:4px 4px 4px 4px rgb(228, 19,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 17.4147, 0.5719, 0.2985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 19, 71) }
```

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

```
.background{ background-color: rgb(228, 19,  
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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