

Converting Colors

$Yxy(17.4213, 0.5867, 0.3086)$

Have a look what the booklet for
Yxy(17.4213, 0.5867, 0.3086)
contains.

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Color

Yxy(17.4330, 0.5867, 0.3089)

Conversions

Conversions Part 1

Format	Color
Hex	E4173C
RGB	228, 23, 60
RGB Percent	89%, 9%, 24%
CMY	0.1060, 0.9093, 0.7648
CMYK	0.00, 0.90, 0.74, 0.11
HSL	349°, 82%, 49%
HSV	349°, 90%, 89%
XYZ	33.1108, 17.4330, 5.8919
YIQ	88.5130, 110.3030, 54.9670

Conversions

Conversions Part 2

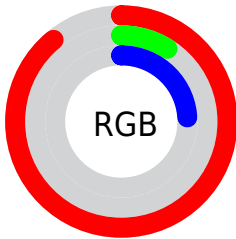
Format	Color
RYB	228, 23, 60
Decimal	14948156
CIELab	48.80, 72.50, 36.08
CIElCh	49, 80.981, 26.457
Yxy	17.4330, 0.5867, 0.3089
Android (android.graphics.Color)	4293138236 (0xFFE4173C)
YUV	88.5130, -14.0569, 122.3301
Hunter-Lab	41.7528, 68.4866, 20.8604

Details

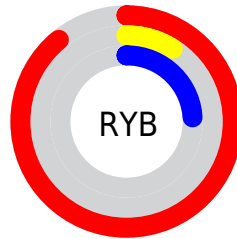
The Yxy color **17.4330, 0.5867, 0.3089** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **59.4243, 0.2408, 0.3814**, and the grayscale version is **9.9061, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0569, 0.4992, 0.3212**, and **7.8302, 0.6254, 0.3219** is the 20% darker color. If you saturate the color by 10%, you get **16.6593, 0.6149, 0.3162**, and if you desaturate by 10%, it is **18.9984, 0.5493, 0.3037**.

Distribution



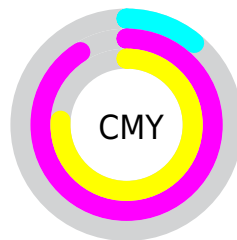
- Red (89%)
- Green (9%)
- Blue (24%)



- Red (89%)
- Yellow (9%)
- Blue (24%)



- Cyan (0%)
- Magenta (90%)
- Yellow (74%)
- Black (11%)



- Cyan (11%)
- Magenta (91%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.4330, 0.5867, 0.3089 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 17.4330, 0.5867, 0.3089 by changing the saturation by 10% instead.


 17.4330, 0.5867,
0.3089


 17.4330, 0.5867,
0.3089


237.6554, 0.4318,
0.3334


 10.5437, 0.6279,
0.2960


 39.0688, 0.5275,
0.3225


 5.7609, 0.6798,
0.2749

 54.5840, 0.5059,
0.3261


 2.7002, 0.7562,
0.2438

 73.7434, 0.4881,
0.3286

 0.9773, 0.8179,
0.1821

 96.9312, 0.4731,
0.3303

 0.0000, 1.0000,
0.0000

 124.5319, 0.4604,
0.3315

 0.0000, 0.0000,
0.0000

 156.9300, 0.4495,

0.3323

194.5096, 0.4401,
0.3330

■ 17.4330, 0.5867,
0.3089

■ 17.4330, 0.5867,
0.3089

■ 16.6593, 0.6149,
0.3162

■ 18.9984, 0.5493,
0.3037

■ 16.6501, 0.6152,
0.3163

■ 21.5829, 0.5072,
0.3018

■ 25.3250, 0.4655,
0.3028

■ 30.3404, 0.4274,
0.3059

■ 36.7310, 0.3946,
0.3101

■ 44.5881, 0.3674,
0.3150

■ 53.9952, 0.3451,
0.3199

■ 65.0297, 0.3271,
0.3246

■ 77.7635, 0.3125,
0.3291

Harmonies

Analogous

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



17.4330, 0.4761, 0.2337



17.4330, 0.5867, 0.3089



17.4330, 0.5817, 0.3919

Triad

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



17.4330, 0.5867, 0.3089



17.4330, 0.2514, 0.6064



17.4330, 0.1205, 0.1338

Complementary

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



17.4330, 0.5867, 0.3089



59.4243, 0.2408, 0.3814

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.



17.4330, 0.0929, 0.1651



17.4330, 0.5867, 0.3089



17.4330, 0.1489, 0.4367

Square

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



17.4330, 0.5867, 0.3089



17.4330, 0.3749, 0.5972



17.4330, 0.0988, 0.2560



17.4330, 0.1887, 0.1379

Rectangle

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



17.4330, 0.5867, 0.3089



17.4330, 0.5312, 0.4589



17.4330, 0.0988, 0.2560



17.4330, 0.1075, 0.1396

Sweetspot

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



17.4341, 0.5867, 0.3089



60.5430, 0.3609, 0.3163



17.2196, 0.2792, 0.1348



12.1273, 0.3692, 0.3146



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.



17.4341, 0.5867, 0.3089



21.4562, 0.6164, 0.3169



23.5318, 0.5688, 0.3756



14.4101, 0.3264, 0.3248



9.6291, 0.6121, 0.3146



0.7239, 0.5735, 0.2933

Inverse Universe

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



17.4341, 0.5867, 0.3089



21.4562, 0.6164, 0.3169



32.0168, 0.1997, 0.2327



14.4101, 0.3264, 0.3248



9.6291, 0.6121, 0.3146



0.7239, 0.5735, 0.2933

Previews

White Background



This preview shows how the Yxy color 17.4330, 0.5867, 0.3089 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 17.4330, 0.5867, 0.3089 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 17.4330, 0.5867, 0.3089

Background



This preview shows how black text looks on a background with the Yxy color 17.4330, 0.5867, 0.3089.



This preview shows how white text looks on a background with the Yxy color 17.4330, 0.5867, 0.3089.

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

17.4330, 0.5867, 0.3089

Protanopia

17.8038, 0.3579, 0.3834

Deuteranopia

17.6020, 0.4392, 0.4320



Tritanopia

17.4478, 0.6159, 0.3316

Trichromacy



Original Color

17.4330, 0.5867, 0.3089

Protanomaly

14.4180, 0.4530, 0.3372

Deuteranomaly

14.9539, 0.5136, 0.3641

Tritanomaly

17.3628, 0.6074, 0.3245

Monochromacy



Original Color

17.4330, 0.5867, 0.3089

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

9.9061, 0.4351, 0.3061

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.4330, 0.5867, 0.3089 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, 23, 60)` looks like.

```
.text, #text, p{  
    color:rgb(228, 23, 60)  
}
```

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, 23, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 23, 60) }
```

Border

The CSS property to change the border of an element to Yxy 17.4330, 0.5867, 0.3089 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, 23, 60) }
```

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

```
.border{ border-color:rgb(228, 23, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 23, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 23, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 23, 60);  
box-shadow:4px 4px 4px 4px rgb(228, 23,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 17.4330, 0.5867, 0.3089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 23, 60) }
```

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

```
.background{ background-color: rgb(228, 23,  
60) }
```

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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