

Converting Colors

$Yxy(17.6490, 0.5742, 0.3027)$

Have a look what the booklet for
Yxy(17.6490, 0.5742, 0.3027)
contains.

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Color

Yxy(17.6066, 0.5746, 0.3030)

Conversions

Conversions Part 1

Format	Color
Hex	E41944
RGB	228, 25, 68
RGB Percent	89%, 10%, 27%
CMY	0.1059, 0.9020, 0.7332
CMYK	0.00, 0.89, 0.70, 0.11
HSL	347°, 80%, 50%
HSV	347°, 89%, 89%
XYZ	33.3886, 17.6066, 7.1124
YIQ	90.5990, 107.1850, 56.4090

Conversions

Conversions Part 2

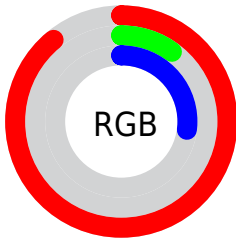
Format	Color
R_{YB}	228, 25, 68
Decimal	14948676
CIE Lab	49.02, 72.56, 31.55
CIE LCh	49, 79.119, 23.500
Yxy	17.6066, 0.5746, 0.3030
Android (android.graphics.Color)	4293138756 (0xFFE41944)
YUV	90.5990, -11.1413, 120.5007
Hunter-Lab	41.9602, 68.6058, 19.3223

Details

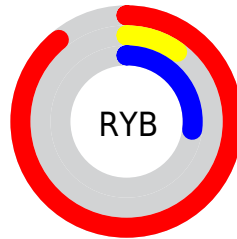
The Yxy color **17.6066, 0.5746, 0.3030** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **59.1988, 0.2436, 0.3909**, and the grayscale version is **10.3730, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.4446, 0.4870, 0.3135**, and **7.9671, 0.6159, 0.3166** is the 20% darker color. If you saturate the color by 10%, you get **16.7735, 0.6046, 0.3111**, and if you desaturate by 10%, it is **19.2637, 0.5369, 0.2978**.

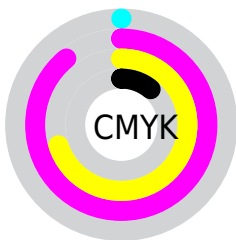
Distribution



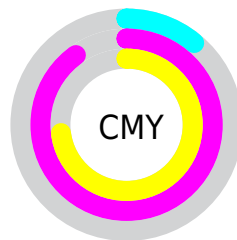
- Red (89%)
- Green (10%)
- Blue (27%)



- Red (89%)
- Yellow (10%)
- Blue (27%)



- Cyan (0%)
- Magenta (89%)
- Yellow (70%)
- Black (11%)




- Cyan (11%)
- Magenta (90%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.6066, 0.5746, 0.3030 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 17.6066, 0.5746, 0.3030 by changing the saturation by 10% instead.


 17.6066, 0.5746,
0.3030


 17.6066, 0.5746,
0.3030


238.6442, 0.4257,
0.3287


 10.6679, 0.6153,
0.2906


 39.3658, 0.5171,
0.3164

 5.8440, 0.6676,
0.2708

 54.9552, 0.4964,
0.3201

 2.7505, 0.7495,
0.2429

 74.1969, 0.4793,
0.3228

 1.0029, 0.8165,
0.1835

 97.4753, 0.4650,
0.3248

 0.0000, 1.0000,
0.0000

 125.1748, 0.4529,
0.3262

 0.0000, 0.0000,
0.0000

 157.6799, 0.4425,

0.3273

195.3749, 0.4335,
0.3281

■ 17.6066, 0.5746,
0.3030

■ 17.6066, 0.5746,
0.3030

■ 16.7735, 0.6046,
0.3111

■ 19.2637, 0.5369,
0.2978

■ 16.7115, 0.6071,
0.3118

■ 21.9484, 0.4958,
0.2964

■ 25.7960, 0.4559,
0.2981

■ 30.9205, 0.4199,
0.3020

■ 37.4220, 0.3890,
0.3072

■ 45.3907, 0.3633,
0.3129

■ 54.9091, 0.3423,
0.3187

■ 66.0535, 0.3253,
0.3243

■ 78.8953, 0.3115,
0.3295

Harmonies

Analogous

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



17.6066, 0.4570, 0.2290



17.6066, 0.5746, 0.3030



17.6066, 0.5819, 0.3843

Triad

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



17.6066, 0.5746, 0.3030



17.6066, 0.2658, 0.6054



17.6066, 0.1194, 0.1384

Complementary

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



17.6066, 0.5746, 0.3030



59.1988, 0.2436, 0.3909

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.



17.6066, 0.0954, 0.1742



17.6066, 0.5746, 0.3030



17.6066, 0.1608, 0.4541

Square

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



17.6066, 0.5746, 0.3030



17.6066, 0.3881, 0.5842



17.6066, 0.1052, 0.2719



17.6066, 0.1824, 0.1394

Rectangle

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



17.6066, 0.5746, 0.3030



17.6066, 0.5366, 0.4480



17.6066, 0.1052, 0.2719



17.6066, 0.1076, 0.1455

Sweetspot

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



17.6077, 0.5746, 0.3030



60.6462, 0.3590, 0.3140



16.4894, 0.2721, 0.1315



12.1510, 0.3670, 0.3120



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.



17.6077, 0.5746, 0.3030



21.5269, 0.6084, 0.3125



22.6772, 0.5743, 0.3697



14.4177, 0.3259, 0.3240



9.6632, 0.6037, 0.3099



0.7275, 0.5634, 0.2877

Inverse Universe

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



17.6077, 0.5746, 0.3030



21.5269, 0.6084, 0.3125



34.7401, 0.2030, 0.2443



14.4177, 0.3259, 0.3240



9.6632, 0.6037, 0.3099



0.7275, 0.5634, 0.2877

Previews

White Background



This preview shows how the Yxy color 17.6066, 0.5746, 0.3030 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 17.6066, 0.5746, 0.3030 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 17.6066, 0.5746, 0.3030

Background



This preview shows how black text looks on a background with the Yxy color 17.6066, 0.5746, 0.3030.



This preview shows how white text looks on a background with the Yxy color 17.6066, 0.5746, 0.3030.

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

17.6066, 0.5746, 0.3030

Protanopia

17.9085, 0.3440, 0.3640

Deuteranopia

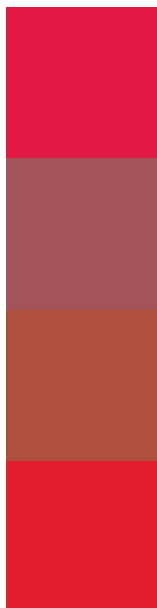
17.9035, 0.4287, 0.4215



Tritanopia

17.6372, 0.6113, 0.3313

Trichromacy



Original Color

17.6066, 0.5746, 0.3030

Protanomaly

14.7266, 0.4350, 0.3230

Deuteranomaly

15.1882, 0.4998, 0.3549

Tritanomaly

17.5003, 0.6013, 0.3224

Monochromacy



Original Color

17.6066, 0.5746, 0.3030

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.3016, 0.4248, 0.3007

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.6066, 0.5746, 0.3030 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, 25, 68)` looks like.

```
.text, #text, p{  
    color:rgb(228, 25, 68)  
}
```

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, 25, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 25, 68) }
```

Border

The CSS property to change the border of an element to Yxy 17.6066, 0.5746, 0.3030 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, 25, 68) }
```

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

```
.border{ border-color:rgb(228, 25, 68) }
```

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

Here you see how a box with a 4 pixel rgb(228, 25, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 25, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 25, 68);  
box-shadow:4px 4px 4px 4px rgb(228, 25,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 17.6066, 0.5746, 0.3030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 25, 68) }
```

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

```
.background{ background-color: rgb(228, 25,  
68) }
```

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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