

# Converting Colors

Yxy(16.9884, 0.5666, 0.3169)

Have a look what the booklet for  
Yxy(16.9884, 0.5666, 0.3169)  
contains.

<b>Yxy(17.0535, 0.5666, 0.3172)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

**Color**

**Yxy(17.0535, 0.5666, 0.3172)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D92E3E
RGB	217, 46, 62
RGB Percent	85%, 18%, 24%
CMY	0.1490, 0.8196, 0.7568
CMYK	0.00, 0.79, 0.71, 0.15
HSL	354°, 69%, 52%
HSV	354°, 79%, 85%
XYZ	30.4619, 17.0535, 6.2472
YIQ	98.9530, 96.7800, 41.2280

# Conversions

## Conversions Part 2

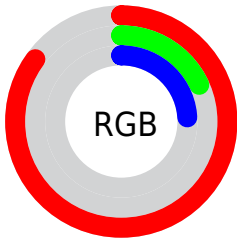
Format	Color
R <sub>Y</sub> B	217, 46, 62
Decimal	14233150
CIE Lab	48.33, 64.90, 33.77
CIE LCh	48, 73.158, 27.491
Yxy	17.0535, 0.5666, 0.3172
Android (android.graphics.Color)	4292423230 (0xFFD92E3E)
YUV	98.9530, -18.2178, 103.5272
Hunter-Lab	41.2959, 59.4027, 19.9378

# Details

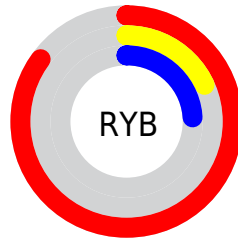
The Yxy color **17.0535, 0.5666, 0.3172** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **54.4220, 0.2358, 0.3517**, and the grayscale version is **12.4959, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.1109, 0.4890, 0.3276**, and **6.9205, 0.6210, 0.3195** is the 20% darker color. If you saturate the color by 10%, you get **15.5874, 0.6038, 0.3204**, and if you desaturate by 10%, it is **19.4556, 0.5222, 0.3158**.

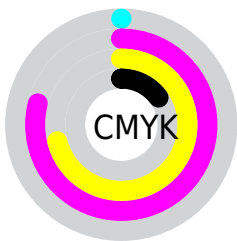
# Distribution



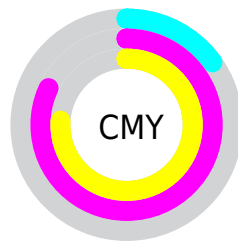
- Red (85%)
- Green (18%)
- Blue (24%)



- Red (85%)
- Yellow (18%)
- Blue (24%)



- Cyan (0%)
- Magenta (79%)
- Yellow (71%)
- Black (15%)




- Cyan (15%)
- Magenta (82%)
- Yellow (76%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 17.0535, 0.5666, 0.3172 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 17.0535, 0.5666, 0.3172 by changing the saturation by 10% instead.





 17.0535, 0.5666,  
0.3172


 17.0535, 0.5666,  
0.3172


235.4805, 0.4215,  
0.3354


 10.2726, 0.6065,  
0.3063


 38.4177, 0.5104,  
0.3280

 5.5801, 0.6577,  
0.2878

 53.7699, 0.4902,  
0.3307


 2.5915, 0.7389,  
0.2611

 72.7480, 0.4735,  
0.3325

 0.9224, 0.8013,  
0.1987

 95.7363, 0.4596,  
0.3336

 0.0000, 1.0000,  
0.0000

 123.1194, 0.4479,  
0.3344

 0.0000, 0.0000,  
0.0000

 155.2815, 0.4378,

0.3349

192.6070, 0.4291,  
0.3352

■ 17.0535, 0.5666,  
0.3172

■ 17.0535, 0.5666,  
0.3172

■ 15.5874, 0.6038,  
0.3204

■ 19.4556, 0.5222,  
0.3158

■ 14.8687, 0.6286,  
0.3246


■ 22.9119, 0.4770,  
0.3160

■ 14.8030, 0.6308,  
0.3249


■ 27.5262, 0.4355,  
0.3174


■ 33.3894, 0.3997,  
0.3196

■ 40.5832, 0.3700,  
0.3220

 49.1822, 0.3460,  
0.3246

 59.2557, 0.3266,  
0.3270

 70.8684, 0.3110,  
0.3293

 84.0810, 0.2985,  
0.3313

# Harmonies

## Analogous

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



17.0535, 0.4673, 0.2437



17.0535, 0.5666, 0.3172



17.0535, 0.5637, 0.3984

# Triad

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



17.0535, 0.5666, 0.3172



17.0535, 0.2568, 0.5749



17.0535, 0.1332, 0.1451

# Complementary

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



17.0535, 0.5666, 0.3172



54.4220, 0.2358, 0.3517

# 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.



17.0535, 0.1053, 0.1753



17.0535, 0.5666, 0.3172



17.0535, 0.1597, 0.4207

# Square

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



17.0535, 0.5666, 0.3172



17.0535, 0.3740, 0.5809



17.0535, 0.1111, 0.2601



17.0535, 0.2009, 0.1497



# Rectangle

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



17.0535, 0.5666, 0.3172



17.0535, 0.5171, 0.4605



17.0535, 0.1111, 0.2601



17.0535, 0.1201, 0.1507

# Sweetspot

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



17.0545, 0.5666, 0.3172



63.9028, 0.3584, 0.3232



19.2302, 0.3010, 0.1552



12.7597, 0.3675, 0.3223



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.



17.0545, 0.5666, 0.3172



21.6654, 0.6226, 0.3235



27.0755, 0.5157, 0.3970



13.0712, 0.3277, 0.3268



8.9680, 0.6288, 0.3238



0.5879, 0.5998, 0.3078



# Inverse Universe

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



17.0545, 0.5666, 0.3172



21.6654, 0.6226, 0.3235



26.9607, 0.2014, 0.2231



13.0712, 0.3277, 0.3268



8.9680, 0.6288, 0.3238



0.5879, 0.5998, 0.3078



# Previews

## White Background



This preview shows how the Yxy color 17.0535, 0.5666, 0.3172 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 17.0535, 0.5666, 0.3172 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 17.0535, 0.5666, 0.3172**

## Background



This preview shows how black text looks on a background with the Yxy color 17.0535, 0.5666, 0.3172.



This preview shows how white text looks on a background with the Yxy color 17.0535, 0.5666, 0.3172.

# 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

17.0535, 0.5666, 0.3172

### Protanopia

17.2184, 0.3613, 0.3859

### Deuteranopia

17.2394, 0.4336, 0.4266



## Tritanopia

17.0874, 0.5821, 0.3291

# Trichromacy



## Original Color

17.0535, 0.5666, 0.3172

## Protanomaly

15.1173, 0.4426, 0.3504

## Deuteranomaly

15.6480, 0.4926, 0.3724

## Tritanomaly

17.0511, 0.5767, 0.3246

# Monochromacy



## Original Color

17.0535, 0.5666, 0.3172

## Achromatopsia

12.4772, 0.3127, 0.3290

## Achromatomaly

12.1600, 0.4112, 0.3184

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 17.0535, 0.5666, 0.3172 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(217, 46, 62)` looks like.

```
.text, #text, p{  
    color:rgb(217, 46, 62)  
}
```

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(217, 46, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 46, 62) }
```

## Border

The CSS property to change the border of an element to Yxy 17.0535, 0.5666, 0.3172 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(217, 46, 62) }
```

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

```
.border{ border-color:rgb(217, 46, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 46, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 46, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 46, 62);  
box-shadow:4px 4px 4px 4px rgb(217, 46,  
62) }
```



# Background

The CSS property to change the background color of an element to Yxy 17.0535, 0.5666, 0.3172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 46, 62) }
```

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

```
.background{ background-color: rgb(217, 46,  
62) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor