

# Converting Colors

$Yxy(17.4467, 0.5508, 0.3377)$

Have a look what the booklet for  
Yxy(17.4467, 0.5508, 0.3377)  
contains.

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**Color**

**Yxy(17.4572, 0.5506, 0.3382)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CF4239
RGB	207, 66, 57
RGB Percent	81%, 26%, 22%
CMY	0.1882, 0.7412, 0.7765
CMYK	0.00, 0.68, 0.72, 0.19
HSL	4°, 61%, 52%
HSV	4°, 72%, 81%
XYZ	28.4209, 17.4572, 5.7399
YIQ	107.1330, 86.9250, 27.0930

# Conversions

## Conversions Part 2

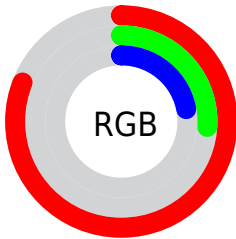
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	207, 67, 57
Decimal	13582905
CIE <sub>Lab</sub>	48.83, 54.91, 36.79
CIE <sub>LCh</sub>	49, 66.091, 33.821
Yxy	17.4572, 0.5506, 0.3382
Android (android.graphics.Color)	4291772985 (0xFFCF4239)
YUV	107.1330, -24.7156, 87.5834
Hunter-Lab	41.7818, 48.3012, 21.1021

# Details

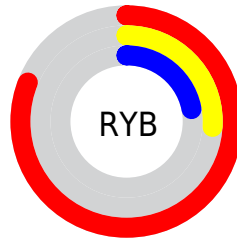
The Yxy color **17.4572, 0.5506, 0.3382** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **45.7609, 0.2285, 0.3155**, and the grayscale version is **14.7930, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.1990, 0.4851, 0.3460**, and **6.0514, 0.6263, 0.3224** is the 20% darker color. If you saturate the color by 10%, you get **15.3925, 0.5922, 0.3369**, and if you desaturate by 10%, it is **20.3811, 0.5043, 0.3383**.

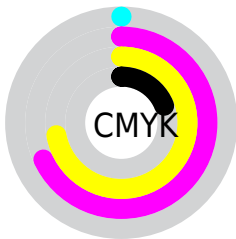
# Distribution



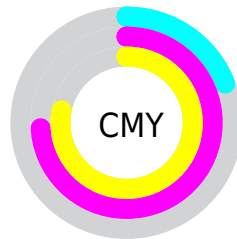
- Red (81%)
- Green (26%)
- Blue (22%)



- Red (81%)
- Yellow (26%)
- Blue (22%)



- Cyan (0%)
- Magenta (68%)
- Yellow (72%)
- Black (19%)




- Cyan (19%)
- Magenta (74%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 17.4572, 0.5506, 0.3382 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 17.4572, 0.5506, 0.3382 by changing the saturation by 10% instead.




 17.4572, 0.5506,  
0.3382


 17.4572, 0.5506,  
0.3382


237.7935, 0.4151,  
0.3445


 10.5610, 0.5876,  
0.3304


 39.1102, 0.4982,  
0.3445


 5.7725, 0.6351,  
0.3155

 54.6358, 0.4793,  
0.3455


 2.7072, 0.7077,  
0.2923

 73.8066, 0.4638,  
0.3459

 0.9809, 0.7670,  
0.2330

 97.0071, 0.4508,  
0.3459

 0.0000, 1.0000,  
0.0000

 124.6217, 0.4398,  
0.3457

 0.0000, 0.0000,  
0.0000

 157.0346, 0.4304,

0.3454

194.6305, 0.4222,  
0.3449

■ 17.4572, 0.5506,  
0.3382

■ 17.4572, 0.5506,  
0.3382

■ 15.3925, 0.5922,  
0.3369

■ 20.3811, 0.5043,  
0.3383

■ 14.0908, 0.6225,  
0.3345

■ 24.2411, 0.4594,  
0.3375


■ 13.5407, 0.6363,  
0.3330

■ 29.1086, 0.4194,  
0.3361


■ 35.0476, 0.3855,  
0.3344

■ 42.1168, 0.3576,  
0.3326

 50.3704, 0.3349,  
0.3310

 59.8592, 0.3167,  
0.3294

 70.6312, 0.3019,  
0.3279

 82.7317, 0.2900,  
0.3266

# Harmonies

## Analogous

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



17.4572, 0.4773, 0.2660



17.4572, 0.5506, 0.3382



17.4572, 0.5350, 0.4179

# Triad

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



17.4572, 0.5506, 0.3382



17.4572, 0.2440, 0.5251



17.4572, 0.1563, 0.1569

# Complementary

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



17.4572, 0.5506, 0.3382



45.7609, 0.2285, 0.3155

# 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.



17.4572, 0.1222, 0.1790



17.4572, 0.5506, 0.3382



17.4572, 0.1602, 0.3778

# Square

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



17.4572, 0.5506, 0.3382



17.4572, 0.3525, 0.5663



17.4572, 0.1218, 0.2469



17.4572, 0.2300, 0.1670



# Rectangle

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



17.4572, 0.5506, 0.3382



17.4572, 0.4878, 0.4759



17.4572, 0.1218, 0.2469



17.4572, 0.1410, 0.1603

# Sweetspot

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



17.4582, 0.5506, 0.3382



67.7473, 0.3570, 0.3326



20.3386, 0.3290, 0.1781



13.7933, 0.3641, 0.3331



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.



17.4582, 0.5506, 0.3382



23.3625, 0.6109, 0.3357



32.1718, 0.4699, 0.4225



11.9206, 0.3289, 0.3305



8.5773, 0.6352, 0.3338



0.5205, 0.6200, 0.3459



# Inverse Universe

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



45.7609, 0.2285, 0.3155



70.8529, 0.2219, 0.3124



19.9144, 0.1983, 0.1953



13.2803, 0.2983, 0.3275



27.3557, 0.2195, 0.3103

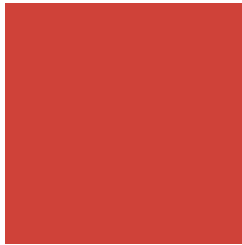


1.5673, 0.2205, 0.3139



# Previews

## White Background



This preview shows how the Yxy color 17.4572, 0.5506, 0.3382 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 17.4572, 0.5506, 0.3382 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 17.4572, 0.5506, 0.3382**

## Background



This preview shows how black text looks on a background with the Yxy color 17.4572, 0.5506, 0.3382.



This preview shows how white text looks on a background with the Yxy color 17.4572, 0.5506, 0.3382.

# 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

17.4572, 0.5506, 0.3382

### Protanopia

17.7290, 0.3792, 0.4112

### Deuteranopia

17.6020, 0.4392, 0.4320



## Tritanopia

17.3495, 0.5371, 0.3257

# Trichromacy



## Original Color

17.4572, 0.5506, 0.3382

## Protanomaly

16.2206, 0.4454, 0.3778

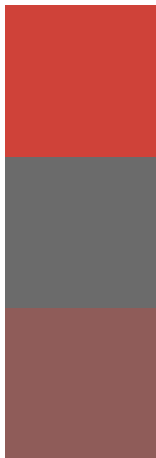
## Deuteranomaly

16.7483, 0.4863, 0.3908

## Tritanomaly

17.4162, 0.5420, 0.3307

# Monochromacy



## Original Color

17.4572, 0.5506, 0.3382

## Achromatopsia

14.7027, 0.3127, 0.3290

## Achromatomaly

14.2152, 0.3993, 0.3347

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 17.4572, 0.5506, 0.3382 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(207, 66, 57)` looks like.

```
.text, #text, p{  
    color:rgb(207, 66, 57)  
}
```

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(207, 66, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 66, 57) }
```

## Border

The CSS property to change the border of an element to Yxy 17.4572, 0.5506, 0.3382 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(207, 66, 57) }
```

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

```
.border{ border-color:rgb(207, 66, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 66, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 66, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 66, 57);  
box-shadow:4px 4px 4px 4px rgb(207, 66,  
57) }
```



# Background

The CSS property to change the background color of an element to Yxy 17.4572, 0.5506, 0.3382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 66, 57) }
```

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

```
.background{ background-color: rgb(207, 66,  
57) }
```

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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