

# Converting Colors

$Y_{xy}(13.8835, 0.5960, 0.3298)$

Have a look what the booklet for  
Yxy(13.8835, 0.5960, 0.3298)  
contains.

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**Color**

**Yxy(13.8742, 0.5963, 0.3298)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C92525
RGB	201, 37, 37
RGB Percent	79%, 15%, 15%
CMY	0.2117, 0.8550, 0.8548
CMYK	0.00, 0.82, 0.82, 0.21
HSL	360°, 69%, 47%
HSV	360°, 82%, 79%
XYZ	25.0855, 13.8742, 3.1089
YIQ	86.0360, 97.7440, 34.7680

# Conversions

## Conversions Part 2

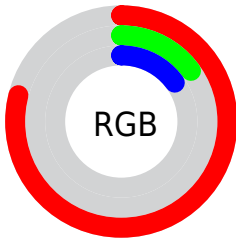
Format	Color
<a href="#">RYB</a>	<a href="#">201, 37, 37</a>
Decimal	<a href="#">13182245</a>
CIELab	<a href="#">44.05, 61.88, 42.41</a>
CIElCh	<a href="#">44, 75.017, 34.425</a>
Yxy	<a href="#">13.8742, 0.5963, 0.3298</a>
Android (android.graphics.Color)	<a href="#">4291372325 (0xFFC92525)</a>
YUV	<a href="#">86.0360, -24.1747, 100.8234</a>
Hunter-Lab	<a href="#">37.2481, 55.0302, 21.1251</a>

# Details

The Yxy color **13.8742, 0.5963, 0.3298** 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 **46.3864, 0.2282, 0.3288**, and the grayscale version is **9.3505, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.8082, 0.5268, 0.3434**, and **5.4033, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **12.8566, 0.6259, 0.3299**, and if you desaturate by 10%, it is **15.6506, 0.5540, 0.3297**.

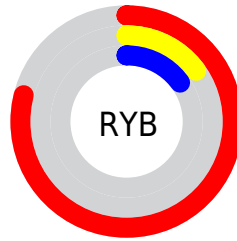
# Distribution



Red (79%)

Green (15%)

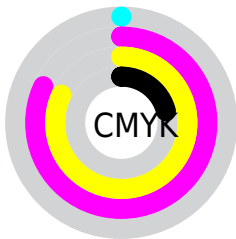
Blue (15%)



Red (79%)

Yellow (15%)

Blue (15%)

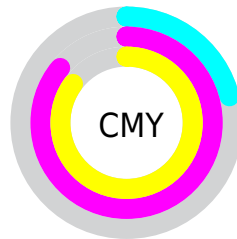


Cyan (0%)

Magenta (82%)

Yellow (82%)

Black (21%)



Cyan (21%)

Magenta (86%)


Yellow (85%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 13.8742, 0.5963, 0.3298 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 13.8742, 0.5963, 0.3298 by changing the saturation by 10% instead.





 13.8742, 0.5963,  
0.3298


 13.8742, 0.5963,  
0.3298


216.4468, 0.4331,  
0.3464


 8.0332, 0.6392,  
0.3156


 32.8656, 0.5337,  
0.3424


 4.1162, 0.7044,  
0.2956

 46.7849, 0.5109,  
0.3449


 1.7388, 0.7541,  
0.2459

 64.1657, 0.4921,  
0.3462

 0.4486, 0.8469,  
0.1531

 85.3925, 0.4763,  
0.3469


 0.0000, 1.0000,  
0.0000

 110.8496, 0.4630,  
0.3471

 0.0000, 0.0000,  
0.0000

 140.9214, 0.4515,

0.3470


 175.9923, 0.4417,  
0.3468

 13.8742, 0.5963,  
0.3298

 13.8742, 0.5963,  
0.3298


 12.8566, 0.6259,  
0.3299


 15.6506, 0.5540,  
0.3297


 12.4190, 0.6400,  
0.3300

 18.2922, 0.5063,  
0.3295


 21.8912, 0.4599,  
0.3294

 26.5271, 0.4187,  
0.3293

 32.2714, 0.3841,  
0.3292

 39.1893, 0.3560,  
0.3291

 47.3407, 0.3333,  
0.3291

 56.7816, 0.3152,  
0.3290

 67.5644, 0.3008,  
0.3290

# Harmonies

## Analogous

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



13.8742, 0.5151, 0.2531



13.8742, 0.5963, 0.3298



13.8742, 0.5651, 0.4175

# Triad

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



13.8742, 0.5963, 0.3298



13.8742, 0.2205, 0.5759



13.8742, 0.1340, 0.1319

# Complementary

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



13.8742, 0.5963, 0.3298



46.3864, 0.2282, 0.3288

# 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.



13.8742, 0.0970, 0.1525



13.8742, 0.5963, 0.3298



13.8742, 0.1302, 0.3812

# Square

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



13.8742, 0.5963, 0.3298



13.8742, 0.3416, 0.6148



13.8742, 0.0937, 0.2238



13.8742, 0.2159, 0.1441



# Rectangle

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



13.8742, 0.5963, 0.3298



13.8742, 0.5065, 0.4903



13.8742, 0.0937, 0.2238



13.8742, 0.1175, 0.1347

# Sweetspot

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



13.8751, 0.5963, 0.3298



63.6414, 0.3631, 0.3291



17.5833, 0.3172, 0.1613



12.6991, 0.3731, 0.3292



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.



13.8751, 0.5963, 0.3298



21.3820, 0.6377, 0.3300



25.1044, 0.5051, 0.4130



10.6370, 0.3290, 0.3290



7.8078, 0.6400, 0.3300



0.3697, 0.6399, 0.3299



# Inverse Universe

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



13.8751, 0.5963, 0.3298



21.3820, 0.6377, 0.3300



18.4641, 0.1928, 0.1953



10.6370, 0.3290, 0.3290



7.8078, 0.6400, 0.3300



0.3697, 0.6399, 0.3299



# Previews

## White Background



This preview shows how the Yxy color 13.8742, 0.5963, 0.3298 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

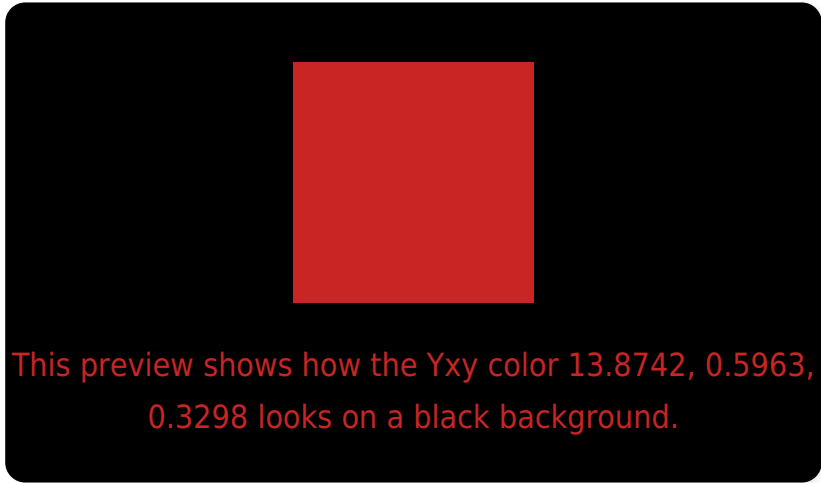
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



## 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 13.8742, 0.5963, 0.3298**

## **Background**



This preview shows how black text looks on a background with the Yxy color 13.8742, 0.5963, 0.3298.



This preview shows how white text looks on a background with the Yxy color 13.8742, 0.5963, 0.3298.

# 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

13.8742, 0.5963, 0.3298

### Protanopia

14.0920, 0.3960, 0.4311

### Deuteranopia

14.1550, 0.4604, 0.4536



## Tritanopia

13.8680, 0.5974, 0.3305

# Trichromacy



## Original Color

13.8742, 0.5963, 0.3298

## Protanomaly

12.1538, 0.4836, 0.3808

## Deuteranomaly

12.6560, 0.5266, 0.3931

## Tritanomaly

13.8680, 0.5974, 0.3305

# Monochromacy



## Original Color

13.8742, 0.5963, 0.3298

## Achromatopsia

9.3059, 0.3127, 0.3290

## Achromatomaly

9.1408, 0.4328, 0.3294

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 13.8742, 0.5963, 0.3298 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(201, 37, 37)` looks like.

```
.text, #text, p{  
    color:rgb(201, 37, 37)  
}
```

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(201, 37, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 37, 37) }
```

## Border

The CSS property to change the border of an element to Yxy 13.8742, 0.5963, 0.3298 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(201, 37, 37) }
```

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

```
.border{ border-color:rgb(201, 37, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 37, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 37, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 37, 37);  
box-shadow:4px 4px 4px 4px rgb(201, 37,  
37) }
```



# Background

The CSS property to change the background color of an element to Yxy 13.8742, 0.5963, 0.3298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 37, 37) }
```

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

```
.background{ background-color: rgb(201, 37,  
37) }
```

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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