

Converting Colors

$Y_{xy}(16.2941, 0.5740, 0.3301)$

Have a look what the booklet for
Yxy(16.2941, 0.5740, 0.3301)
contains.

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Color

Yxy(16.3083, 0.5735, 0.3298)

Conversions

Conversions Part 1

Format	Color
Hex	D23333
RGB	210, 51, 51
RGB Percent	82%, 20%, 20%
CMY	0.1765, 0.7999, 0.8001
CMYK	0.00, 0.76, 0.76, 0.18
HSL	0°, 64%, 51%
HSV	0°, 76%, 82%
XYZ	28.3590, 16.3083, 4.7817
YIQ	98.5410, 94.7640, 33.7080

Conversions

Conversions Part 2

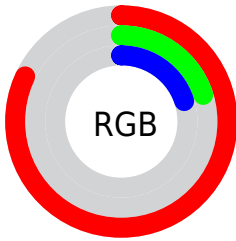
Format	Color
R _Y B	210, 51, 51
Decimal	13775667
CIE Lab	47.38, 60.93, 38.71
CIE LCh	47, 72.189, 32.425
Yxy	16.3083, 0.5735, 0.3298
Android (android.graphics.Color)	4291965747 (0xFFD23333)
YUV	98.5410, -23.4377, 97.7495
Hunter-Lab	40.3835, 54.6791, 21.2481

Details

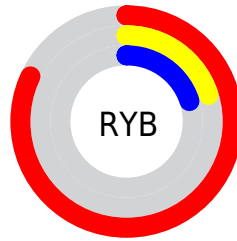
The Yxy color **16.3083, 0.5735, 0.3298** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **51.4264, 0.2303, 0.3287**, and the grayscale version is **12.3995, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.2937, 0.5017, 0.3407**, and **6.2184, 0.6335, 0.3263** is the 20% darker color. If you saturate the color by 10%, you get **14.7247, 0.6111, 0.3299**, and if you desaturate by 10%, it is **18.8050, 0.5271, 0.3297**.

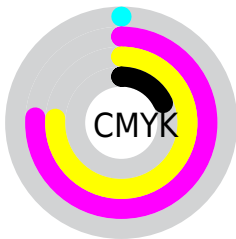
Distribution



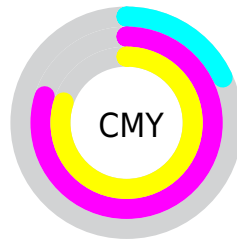
- Red (82%)
- Green (20%)
- Blue (20%)



- Red (82%)
- Yellow (20%)
- Blue (20%)



- Cyan (0%)
- Magenta (76%)
- Yellow (76%)
- Black (18%)




- Cyan (18%)
- Magenta (80%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3083, 0.5735, 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 16.3083, 0.5735, 0.3298 by changing the saturation by 10% instead.


 16.3083, 0.5735,
0.3298


 16.3083, 0.5735,
0.3298


231.1541, 0.4247,
0.3430

 9.7426, 0.6135,
0.3190


 37.1326, 0.5162,
0.3395


 5.2286, 0.6655,
0.3004

 52.1600, 0.4955,
0.3415


 2.3820, 0.7328,
0.2672

 70.7767, 0.4784,
0.3426

 0.8166, 0.7974,
0.2026

 93.3671, 0.4641,
0.3432

 0.0000, 1.0000,
0.0000

 120.3157, 0.4519,
0.3434

 0.0000, 0.0000,
0.0000

 152.0068, 0.4415,

0.3434

188.8248, 0.4326,
0.3432

■ 16.3083, 0.5735,
0.3298

■ 16.3083, 0.5735,
0.3298

■ 14.7247, 0.6111,
0.3299

■ 18.8050, 0.5271,
0.3297

■ 13.9171, 0.6336,
0.3300


■ 22.3207, 0.4793,
0.3295


■ 13.7027, 0.6401,
0.3300


■ 26.9499, 0.4355,
0.3294


■ 32.7756, 0.3980,
0.3293

■ 39.8730, 0.3671,
0.3292

 48.3109, 0.3422,
0.3291

 58.1535, 0.3223,
0.3290

 69.4606, 0.3064,
0.3290

 82.2886, 0.2936,
0.3289

Harmonies

Analogous

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



16.3083, 0.4897, 0.2551



16.3083, 0.5735, 0.3298



16.3083, 0.5550, 0.4130

Triad

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



16.3083, 0.5735, 0.3298



16.3083, 0.2383, 0.5583



16.3083, 0.1411, 0.1436

Complementary

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



16.3083, 0.5735, 0.3298



51.4264, 0.2303, 0.3287

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.



16.3083, 0.1074, 0.1671



16.3083, 0.5735, 0.3298



16.3083, 0.1479, 0.3904

Square

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



16.3083, 0.5735, 0.3298



16.3083, 0.3545, 0.5899



16.3083, 0.1074, 0.2410



16.3083, 0.2166, 0.1532

Rectangle

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



16.3083, 0.5735, 0.3298



16.3083, 0.5024, 0.4769



16.3083, 0.1074, 0.2410



16.3083, 0.1259, 0.1473

Sweetspot

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



16.3093, 0.5735, 0.3298



64.9069, 0.3604, 0.3292



20.7197, 0.3202, 0.1684



12.9412, 0.3704, 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.



16.3093, 0.5735, 0.3298



21.9351, 0.6273, 0.3300



30.0348, 0.4870, 0.4153



11.8088, 0.3291, 0.3291



8.3588, 0.6401, 0.3300



0.4676, 0.6400, 0.3301

Inverse Universe

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



51.4264, 0.2303, 0.3287



78.8797, 0.2256, 0.3287



21.4507, 0.1976, 0.2014



13.4065, 0.2983, 0.3290



30.9369, 0.2246, 0.3287



1.7300, 0.2246, 0.3287

Previews

White Background



This preview shows how the Yxy color 16.3083, 0.5735, 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



This preview shows how the Yxy color 16.3083, 0.5735, 0.3298 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 16.3083, 0.5735, 0.3298

Background



This preview shows how black text looks on a background with the Yxy color 16.3083, 0.5735, 0.3298.



This preview shows how white text looks on a background with the Yxy color 16.3083, 0.5735, 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

16.3083, 0.5735, 0.3298

Protanopia

16.4634, 0.3812, 0.4135

Deuteranopia

16.3313, 0.4464, 0.4385



Tritanopia

16.3172, 0.5722, 0.3290

Trichromacy



Original Color

16.3083, 0.5735, 0.3298

Protanomaly

14.6398, 0.4600, 0.3726

Deuteranomaly

15.1052, 0.5028, 0.3877

Tritanomaly

16.3172, 0.5722, 0.3290

Monochromacy



Original Color

16.3083, 0.5735, 0.3298

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.1328, 0.4122, 0.3293

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3083, 0.5735, 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(210, 51, 51)` looks like.

```
.text, #text, p{  
    color:rgb(210, 51, 51)  
}
```

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(210, 51, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 51, 51) }
```

Border

The CSS property to change the border of an element to Yxy 16.3083, 0.5735, 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(210, 51, 51) }
```

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

```
.border{ border-color:rgb(210, 51, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 51, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 51, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 51, 51);  
box-shadow:4px 4px 4px 4px rgb(210, 51,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3083, 0.5735, 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(210, 51, 51) }
```

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

```
.background{ background-color: rgb(210, 51,  
51) }
```

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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