

Converting Colors

$Y_{xy}(16.7160, 0.5663, 0.3276)$

Have a look what the booklet for
Yxy(16.7160, 0.5663, 0.3276)
contains.

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Color

Yxy(16.6806, 0.5660, 0.3273)

Conversions

Conversions Part 1

Format	Color
Hex	D33538
RGB	211, 53, 56
RGB Percent	83%, 21%, 22%
CMY	0.1726, 0.7920, 0.7805
CMYK	0.00, 0.75, 0.73, 0.17
HSL	359°, 64%, 52%
HSV	359°, 75%, 83%
XYZ	28.8458, 16.6806, 5.4379
YIQ	100.5840, 93.2050, 34.4290

Conversions

Conversions Part 2

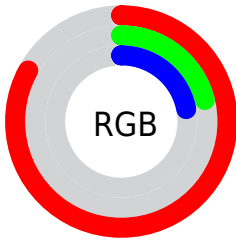
Format	Color
RYB	211, 53, 56
Decimal	13841720
CIELab	47.86, 60.77, 36.44
CIElCh	48, 70.861, 30.949
Yxy	16.6806, 0.5660, 0.3273
Android (android.graphics.Color)	4292031800 (0xFFD33538)
YUV	100.5840, -21.9799, 96.8348
Hunter-Lab	40.8419, 54.5975, 20.6952

Details

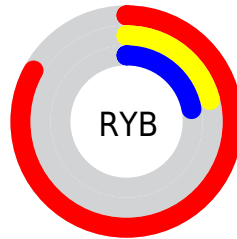
The Yxy color **16.6806, 0.5660, 0.3273** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **51.8920, 0.2319, 0.3329**, and the grayscale version is **12.9459, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.8276, 0.4945, 0.3381**, and **6.3250, 0.6279, 0.3233** is the 20% darker color. If you saturate the color by 10%, you get **14.9990, 0.6053, 0.3280**, and if you desaturate by 10%, it is **19.2942, 0.5193, 0.3270**.

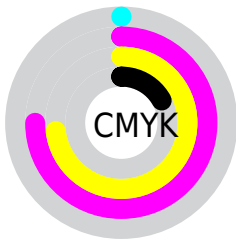
Distribution



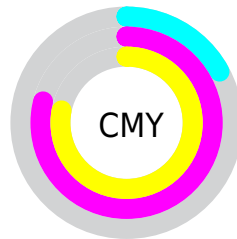
- Red (83%)
- Green (21%)
- Blue (22%)



- Red (83%)
- Yellow (21%)
- Blue (22%)



- Cyan (0%)
- Magenta (75%)
- Yellow (73%)
- Black (17%)




- Cyan (17%)
- Magenta (79%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.6806, 0.5660, 0.3273 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 16.6806, 0.5660, 0.3273 by changing the saturation by 10% instead.


 16.6806, 0.5660,
0.3273


 16.6806, 0.5660,
0.3273


233.3250, 0.4212,
0.3407

 10.0070, 0.6055,
0.3171


 37.7758, 0.5100,
0.3366


 5.4036, 0.6561,
0.2991

 52.9662, 0.4898,
0.3387


 2.4860, 0.7298,
0.2702

 71.7644, 0.4732,
0.3398

 0.8696, 0.7929,
0.2071

 94.5546, 0.4593,
0.3405

 0.0000, 1.0000,
0.0000

 121.7215, 0.4476,
0.3408

 0.0000, 0.0000,
0.0000

 153.6492, 0.4375,

0.3409

190.7222, 0.4288,
0.3408

■ 16.6806, 0.5660,
0.3273

■ 16.6806, 0.5660,
0.3273

■ 14.9990, 0.6053,
0.3280

■ 19.2942, 0.5193,
0.3270

■ 14.1148, 0.6306,
0.3290

■ 22.9446, 0.4723,
0.3269

■ 13.8541, 0.6384,
0.3291

■ 27.7259, 0.4297,
0.3272

■ 33.7208, 0.3935,
0.3275

■ 41.0043, 0.3637,
0.3279

■ 49.6455, 0.3398,
0.3284

■ 59.7083, 0.3206,
0.3288

■ 71.2528, 0.3053,
0.3292

■ 84.3355, 0.2929,
0.3296

Harmonies

Analogous

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



16.6806, 0.4791, 0.2535



16.6806, 0.5660, 0.3273



16.6806, 0.5536, 0.4091

Triad

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



16.6806, 0.5660, 0.3273



16.6806, 0.2463, 0.5568



16.6806, 0.1416, 0.1471

Complementary

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



16.6806, 0.5660, 0.3273



51.8920, 0.2319, 0.3329

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.



16.6806, 0.1099, 0.1727



16.6806, 0.5660, 0.3273



16.6806, 0.1549, 0.3979

Square

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



16.6806, 0.5660, 0.3273



16.6806, 0.3612, 0.5819



16.6806, 0.1119, 0.2489



16.6806, 0.2140, 0.1550

Rectangle

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



16.6806, 0.5660, 0.3273



16.6806, 0.5043, 0.4710



16.6806, 0.1119, 0.2489



16.6806, 0.1271, 0.1514

Sweetspot

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



16.6816, 0.5660, 0.3273



66.2282, 0.3569, 0.3281



20.3335, 0.3141, 0.1663



13.4439, 0.3641, 0.3279



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.



16.6816, 0.5660, 0.3273



22.0693, 0.6228, 0.3286



29.2171, 0.4907, 0.4090



11.8117, 0.3288, 0.3286



8.3646, 0.6379, 0.3288



0.4690, 0.6307, 0.3248

Inverse Universe

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



16.6816, 0.5660, 0.3273



22.0693, 0.6228, 0.3286



23.4307, 0.2008, 0.2118



11.8117, 0.3288, 0.3286



8.3646, 0.6379, 0.3288



0.4690, 0.6307, 0.3248

Previews

White Background



This preview shows how the Yxy color 16.6806, 0.5660, 0.3273 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 16.6806, 0.5660, 0.3273 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 16.6806, 0.5660, 0.3273

Background



This preview shows how black text looks on a background with the Yxy color 16.6806, 0.5660, 0.3273.

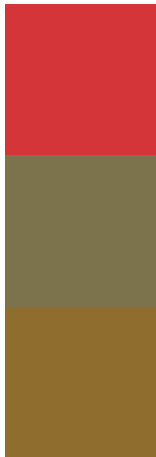


This preview shows how white text looks on a background with the Yxy color 16.6806, 0.5660, 0.3273.

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

16.6806, 0.5660, 0.3273

Protanopia

16.8415, 0.3746, 0.4035

Deuteranopia

16.8853, 0.4395, 0.4336



Tritanopia

16.6709, 0.5673, 0.3281

Trichromacy



Original Color

16.6806, 0.5660, 0.3273

Protanomaly

15.1519, 0.4502, 0.3665

Deuteranomaly

15.5905, 0.4942, 0.3836

Tritanomaly

16.6709, 0.5673, 0.3281

Monochromacy



Original Color

16.6806, 0.5660, 0.3273

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.6592, 0.4086, 0.3275

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6806, 0.5660, 0.3273 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(211, 53, 56)` looks like.

```
.text, #text, p{  
    color:rgb(211, 53, 56)  
}
```

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(211, 53, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 53, 56) }
```

Border

The CSS property to change the border of an element to Yxy 16.6806, 0.5660, 0.3273 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(211, 53, 56) }
```

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

```
.border{ border-color:rgb(211, 53, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 53, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 53, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 53, 56);  
box-shadow:4px 4px 4px 4px rgb(211, 53,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 16.6806, 0.5660, 0.3273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 53, 56) }
```

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

```
.background{ background-color: rgb(211, 53,  
56) }
```

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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