

Converting Colors

$Y_{xy}(17.8801, 0.5275, 0.3149)$

Have a look what the booklet for
Yxy(17.8801, 0.5275, 0.3149)
contains.

Yxy(17.8300, 0.5283, 0.3148)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.8300, 0.5283, 0.3148)

Conversions

Conversions Part 1

Format	Color
Hex	D33E4D
RGB	211, 62, 77
RGB Percent	83%, 24%, 30%
CMY	0.1726, 0.7567, 0.6980
CMYK	0.00, 0.71, 0.64, 0.17
HSL	354°, 63%, 54%
HSV	354°, 71%, 83%
XYZ	29.9225, 17.8300, 8.8867
YIQ	108.2610, 83.9890, 36.2530

Conversions

Conversions Part 2

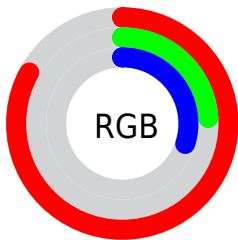
Format	Color
RYB	211, 62, 77
Decimal	13844045
CIELab	49.29, 58.72, 25.81
CIElCh	49, 64.143, 23.731
Yxy	17.8300, 0.5283, 0.3148
Android (android.graphics.Color)	4292034125 (0xFFD33E4D)
YUV	108.2610, -15.4117, 90.1021
Hunter-Lab	42.2256, 52.5963, 17.0799

Details

The Yxy color **17.8300, 0.5283, 0.3148** 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 **51.5904, 0.2395, 0.3506**, and the grayscale version is **15.1040, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.9600, 0.4627, 0.3224**, and **6.4994, 0.5978, 0.3067** is the 20% darker color. If you saturate the color by 10%, you get **15.7334, 0.5718, 0.3166**, and if you desaturate by 10%, it is **20.8972, 0.4832, 0.3148**.

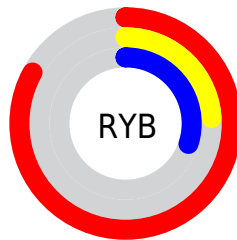
Distribution



Red (83%)

Green (24%)

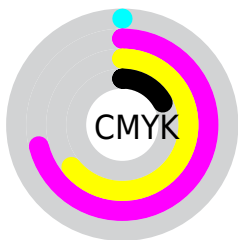
Blue (30%)



Red (83%)

Yellow (24%)

Blue (30%)

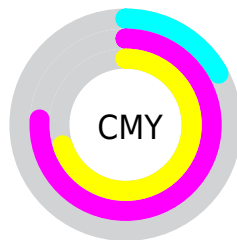


Cyan (0%)

Magenta (71%)

Yellow (64%)

Black (17%)



Cyan (17%)


Magenta (76%)

Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.8300, 0.5283, 0.3148 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 17.8300, 0.5283, 0.3148 by changing the saturation by 10% instead.


 17.8300, 0.5283,
0.3148


 17.8300, 0.5283,
0.3148


239.9111, 0.4042,
0.3304


 10.8280, 0.5641,
0.3065


 39.7474, 0.4794,
0.3233


 5.9513, 0.6119,
0.2925

 55.4317, 0.4621,
0.3256


 2.8155, 0.6811,
0.2691

 74.7788, 0.4480,
0.3272

 1.0362, 0.7759,
0.2241

 98.1731, 0.4362,
0.3283

 0.0000, 1.0000,
0.0000

 125.9991, 0.4263,
0.3291

 0.0000, 0.0000,
0.0000

158.6412, 0.4178,

0.3297

196.4837, 0.4105,
0.3301

■ 17.8300, 0.5283,
0.3148

■ 17.8300, 0.5283,
0.3148

■ 15.7334, 0.5718,
0.3166

■ 20.8972, 0.4832,
0.3148

■ 14.4876, 0.6074,
0.3203

■ 25.0302, 0.4412,
0.3162

■ 13.9010, 0.6296,
0.3242

■ 30.3163, 0.4047,
0.3184


■ 36.8329, 0.3743,
0.3211

■ 44.6508, 0.3496,
0.3238

 53.8354, 0.3296,
0.3264

 64.4475, 0.3136,
0.3289

 76.5444, 0.3007,
0.3311

 90.1803, 0.2902,
0.3332

Harmonies

Analogous

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



17.8300, 0.4321, 0.2464



17.8300, 0.5283, 0.3148



17.8300, 0.5424, 0.3905

Triad

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



17.8300, 0.5283, 0.3148



17.8300, 0.2818, 0.5452



17.8300, 0.1453, 0.1649

Complementary

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



17.8300, 0.5283, 0.3148



51.5904, 0.2395, 0.3506

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.



17.8300, 0.1231, 0.2000



17.8300, 0.5283, 0.3148



17.8300, 0.1881, 0.4278

Square

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



17.8300, 0.5283, 0.3148



17.8300, 0.3889, 0.5460



17.8300, 0.1348, 0.2862



17.8300, 0.2037, 0.1647

Rectangle

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



17.8300, 0.5283, 0.3148



17.8300, 0.5096, 0.4453



17.8300, 0.1348, 0.2862



17.8300, 0.1342, 0.1721

Sweetspot

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



17.8310, 0.5283, 0.3148



67.7402, 0.3510, 0.3236



19.5682, 0.3001, 0.1648



13.7456, 0.3575, 0.3228



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.



17.8310, 0.5283, 0.3148



22.9889, 0.5921, 0.3184



27.4191, 0.4920, 0.3928



11.8273, 0.3275, 0.3267



8.3980, 0.6274, 0.3230



0.4763, 0.5932, 0.3042

Inverse Universe

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



17.8310, 0.5283, 0.3148



22.9889, 0.5921, 0.3184



28.8007, 0.2108, 0.2402



11.8273, 0.3275, 0.3267



8.3980, 0.6274, 0.3230



0.4763, 0.5932, 0.3042

Previews

White Background



This preview shows how the Yxy color 17.8300, 0.5283, 0.3148 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 17.8300, 0.5283, 0.3148 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 17.8300, 0.5283, 0.3148

Background



This preview shows how black text looks on a background with the Yxy color 17.8300, 0.5283, 0.3148.

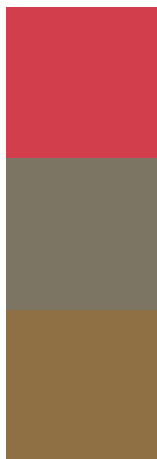


This preview shows how white text looks on a background with the Yxy color 17.8300, 0.5283, 0.3148.

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

17.8300, 0.5283, 0.3148

Protanopia

17.9278, 0.3427, 0.3620

Deuteranopia

17.8577, 0.4119, 0.4043



Tritanopia

17.9209, 0.5418, 0.3268

Trichromacy



Original Color

17.8300, 0.5283, 0.3148

Protanomaly

16.3900, 0.4103, 0.3376

Deuteranomaly

16.7981, 0.4598, 0.3623

Tritanomaly

17.8588, 0.5368, 0.3219

Monochromacy



Original Color

17.8300, 0.5283, 0.3148

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

14.3650, 0.3897, 0.3185

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8300, 0.5283, 0.3148 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, 62, 77)` looks like.

```
.text, #text, p{  
    color:rgb(211, 62, 77)  
}
```

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, 62, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 62, 77) }
```

Border

The CSS property to change the border of an element to Yxy 17.8300, 0.5283, 0.3148 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, 62, 77) }
```

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

```
.border{ border-color:rgb(211, 62, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 62, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 62, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 62, 77);  
box-shadow:4px 4px 4px 4px rgb(211, 62,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 17.8300, 0.5283, 0.3148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 62, 77) }
```

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

```
.background{ background-color: rgb(211, 62,  
77) }
```

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