

Converting Colors

$Y_{xy}(18.8718, 0.5152, 0.3152)$

Have a look what the booklet for
Yxy(18.8718, 0.5152, 0.3152)
contains.

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Color

Yxy(18.8778, 0.5147, 0.3150)

Conversions

Conversions Part 1

Format	Color
Hex	D44553
RGB	212, 69, 83
RGB Percent	83%, 27%, 33%
CMY	0.1686, 0.7295, 0.6744
CMYK	0.00, 0.67, 0.61, 0.17
HSL	354°, 62%, 55%
HSV	354°, 67%, 83%
XYZ	30.8457, 18.8778, 10.2060
YIQ	113.3530, 80.7340, 34.6700

Conversions

Conversions Part 2

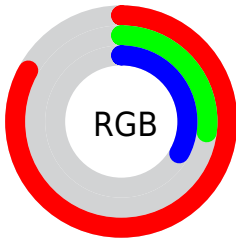
Format	Color
R_{YB}	212, 69, 83
Decimal	13911379
CIE Lab	50.54, 56.77, 23.88
CIE LCh	51, 61.592, 22.812
Yxy	18.8778, 0.5147, 0.3150
Android (android.graphics.Color)	4292101459 (0xFFD44553)
YUV	113.3530, -14.9640, 86.5134
Hunter-Lab	43.4486, 50.6886, 16.4869

Details

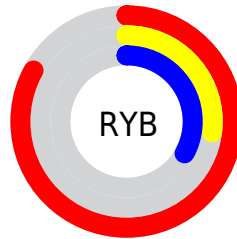
The Yxy color **18.8778, 0.5147, 0.3150** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **52.4375, 0.2409, 0.3490**, and the grayscale version is **16.6502, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5932, 0.4522, 0.3223**, and **6.7192, 0.5888, 0.3017** is the 20% darker color. If you saturate the color by 10%, you get **16.4650, 0.5594, 0.3162**, and if you desaturate by 10%, it is **22.3055, 0.4701, 0.3155**.

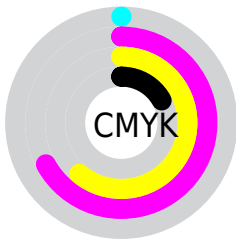
Distribution



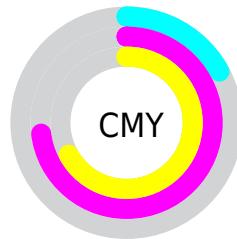
- Red (83%)
- Green (27%)
- Blue (33%)



- Red (83%)
- Yellow (27%)
- Blue (33%)



- Cyan (0%)
- Magenta (67%)
- Yellow (61%)
- Black (17%)



- Cyan (17%)
- Magenta (73%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8778, 0.5147, 0.3150 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 18.8778, 0.5147, 0.3150 by changing the saturation by 10% instead.


 18.8778, 0.5147,
0.3150


 18.8778, 0.5147,
0.3150


245.7733, 0.3990,
0.3294


 11.5820, 0.5481,
0.3077


 41.5275, 0.4691,
0.3227


 6.4597, 0.5931,
0.2955


 57.6502, 0.4530,
0.3248


 3.1266, 0.6554,
0.2739

 77.4840, 0.4399,
0.3262

 1.1982, 0.7610,
0.2390

 101.4133, 0.4289,
0.3273

 0.0602, 0.9637,
0.0363

 129.8225, 0.4197,
0.3281

 0.0000, 1.0000,
0.0000

163.0960, 0.4118,

 0.0000, 0.0000,

0.3286

0.0000

201.6181, 0.4049,
0.3291

■ 18.8778, 0.5147,
0.3150

■ 18.8778, 0.5147,
0.3150

■ 16.4650, 0.5594,
0.3162

■ 22.3055, 0.4701,
0.3155

■ 14.9524, 0.5981,
0.3193

■ 26.8402, 0.4295,
0.3171


■ 14.1897, 0.6250,
0.3237


■ 32.5673, 0.3948,
0.3195


■ 14.0534, 0.6300,
0.3244


■ 39.5627, 0.3662,
0.3221

■ 47.8964, 0.3429,
0.3247

 57.6329, 0.3242,
0.3272

 68.8329, 0.3092,
0.3296

 81.5532, 0.2971,
0.3317

 92.7399, 0.2872,
0.3289

Harmonies

Analogous

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



18.8778, 0.4220, 0.2488



18.8778, 0.5147, 0.3150



18.8778, 0.5323, 0.3884

Triad

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



18.8778, 0.5147, 0.3150



18.8778, 0.2884, 0.5328



18.8778, 0.1511, 0.1725

Complementary

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



18.8778, 0.5147, 0.3150



52.4375, 0.2409, 0.3490

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.



18.8778, 0.1306, 0.2086



18.8778, 0.5147, 0.3150



18.8778, 0.1974, 0.4261

Square

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



18.8778, 0.5147, 0.3150



18.8778, 0.3910, 0.5340



18.8778, 0.1438, 0.2932



18.8778, 0.2067, 0.1711

Rectangle

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



18.8778, 0.5147, 0.3150



18.8778, 0.5038, 0.4407



18.8778, 0.1438, 0.2932



18.8778, 0.1407, 0.1801

Sweetspot

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



18.8789, 0.5147, 0.3150



69.0495, 0.3488, 0.3240



20.9757, 0.3037, 0.1711



13.9997, 0.3553, 0.3232



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.



18.8789, 0.5147, 0.3150



23.8371, 0.5775, 0.3173



29.4016, 0.4792, 0.3944



12.4404, 0.3276, 0.3267



8.6808, 0.6280, 0.3233



0.5305, 0.5962, 0.3058

Inverse Universe

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



18.8789, 0.5147, 0.3150



23.8371, 0.5775, 0.3173



29.3967, 0.2133, 0.2409



12.4404, 0.3276, 0.3267



8.6808, 0.6280, 0.3233



0.5305, 0.5962, 0.3058

Previews

White Background



This preview shows how the Yxy color 18.8778, 0.5147, 0.3150 looks on a white 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

Black Background



This preview shows how the Yxy color 18.8778, 0.5147, 0.3150 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 18.8778, 0.5147, 0.3150

Background



This preview shows how black text looks on a background with the Yxy color 18.8778, 0.5147, 0.3150.

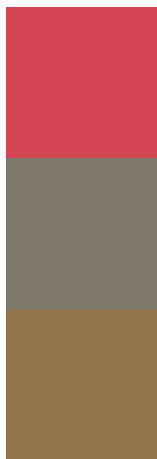


This preview shows how white text looks on a background with the Yxy color 18.8778, 0.5147, 0.3150.

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

18.8778, 0.5147, 0.3150

Protanopia

19.2274, 0.3381, 0.3573

Deuteranopia

18.8943, 0.4048, 0.3965



Tritanopia

18.8718, 0.5276, 0.3256

Trichromacy



Original Color

18.8778, 0.5147, 0.3150

Protanomaly

17.6537, 0.4006, 0.3359

Deuteranomaly

17.8459, 0.4483, 0.3579

Tritanomaly

18.9132, 0.5231, 0.3225

Monochromacy



Original Color

18.8778, 0.5147, 0.3150

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

15.8983, 0.3844, 0.3205

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8778, 0.5147, 0.3150 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(212, 69, 83)` looks like.

```
.text, #text, p{  
    color:rgb(212, 69, 83)  
}
```

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(212, 69, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 69, 83) }
```

Border

The CSS property to change the border of an element to Yxy 18.8778, 0.5147, 0.3150 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(212, 69, 83) }
```

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

```
.border{ border-color:rgb(212, 69, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 69, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 69, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 69, 83);  
box-shadow:4px 4px 4px 4px rgb(212, 69,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8778, 0.5147, 0.3150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 69, 83) }
```

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

```
.background{ background-color: rgb(212, 69,  
83) }
```

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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