

Converting Colors

$Y_{xy}(16.9702, 0.5221, 0.3156)$

Have a look what the booklet for
Yxy(16.9702, 0.5221, 0.3156)
contains.

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Color

Yxy(16.9282, 0.5212, 0.3149)

Conversions

Conversions Part 1

Format	Color
Hex	CC3F4D
RGB	204, 63, 77
RGB Percent	80%, 25%, 30%
CMY	0.2000, 0.7529, 0.6981
CMYK	0.00, 0.69, 0.62, 0.20
HSL	354°, 58%, 52%
HSV	354°, 69%, 80%
XYZ	28.0183, 16.9282, 8.8108
YIQ	106.7550, 79.5420, 34.2460

Conversions

Conversions Part 2

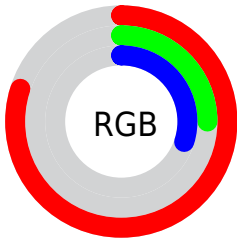
Format	Color
RYB	204, 63, 77
Decimal	13385549
CIELab	48.17, 56.17, 24.13
CIElCh	48, 61.136, 23.247
Yxy	16.9282, 0.5212, 0.3149
Android (android.graphics.Color)	4291575629 (0xFFCC3F4D)
YUV	106.7550, -14.6692, 85.2839
Hunter-Lab	41.1439, 49.5539, 16.1040

Details

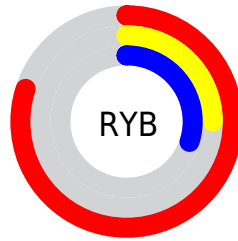
The Yxy color **16.9282, 0.5212, 0.3149** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **47.9601, 0.2402, 0.3497**, and the grayscale version is **14.6579, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.9600, 0.4627, 0.3224**, and **5.9494, 0.5942, 0.3047** is the 20% darker color. If you saturate the color by 10%, you get **14.8486, 0.5653, 0.3164**, and if you desaturate by 10%, it is **19.9198, 0.4764, 0.3152**.

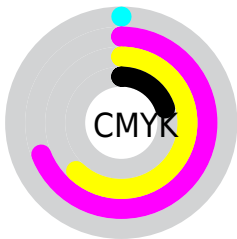
Distribution



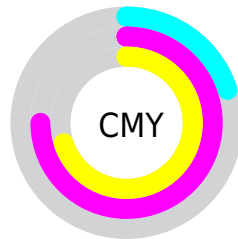
- Red (80%)
- Green (25%)
- Blue (30%)



- Red (80%)
- Yellow (25%)
- Blue (30%)



- Cyan (0%)
- Magenta (69%)
- Yellow (62%)
- Black (20%)





- Cyan (20%)
- Magenta (75%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9282, 0.5212, 0.3149 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 16.9282, 0.5212, 0.3149 by changing the saturation by 10% instead.


 16.9282, 0.5212,
0.3149


 16.9282, 0.5212,
0.3149


234.7583, 0.4000,
0.3299


 10.1833, 0.5569,
0.3069


 38.2023, 0.4730,
0.3231


 5.5207, 0.6051,
0.2931

 53.5003, 0.4561,
0.3253

 2.5559, 0.6767,
0.2701

 72.4181, 0.4424,
0.3268

 0.9045, 0.7761,
0.2239

 95.3401, 0.4310,
0.3279

 0.0000, 1.0000,
0.0000

 122.6507, 0.4214,
0.3286

 0.0000, 0.0000,
0.0000

154.7344, 0.4132,

0.3292

191.9754, 0.4062,
0.3296

■ 16.9282, 0.5212,
0.3149

■ 16.9282, 0.5212,
0.3149

■ 14.8486, 0.5653,
0.3164

■ 19.9198, 0.4764,
0.3152

■ 13.5739, 0.6025,
0.3197

■ 23.9090, 0.4352,
0.3167


■ 12.9338, 0.6278,
0.3239


■ 28.9748, 0.3997,
0.3190

■ 12.8884, 0.6295,
0.3242

■ 35.1875, 0.3702,
0.3216

■ 42.6114, 0.3463,
0.3242

 51.3060, 0.3270,
0.3268

 61.3269, 0.3115,
0.3292

 72.7266, 0.2990,
0.3314

 85.5544, 0.2889,
0.3334

Harmonies

Analogous

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



16.9282, 0.4268, 0.2476



16.9282, 0.5212, 0.3149



16.9282, 0.5372, 0.3894

Triad

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



16.9282, 0.5212, 0.3149



16.9282, 0.2853, 0.5387



16.9282, 0.1483, 0.1688

Complementary

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



16.9282, 0.5212, 0.3149



47.9601, 0.2402, 0.3497

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.



16.9282, 0.1270, 0.2045



16.9282, 0.5212, 0.3149



16.9282, 0.1930, 0.4270

Square

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



16.9282, 0.5212, 0.3149



16.9282, 0.3901, 0.5398



16.9282, 0.1395, 0.2899



16.9282, 0.2052, 0.1680

Rectangle

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



16.9282, 0.5212, 0.3149



16.9282, 0.5067, 0.4429



16.9282, 0.1395, 0.2899



16.9282, 0.1375, 0.1763

Sweetspot

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



16.9292, 0.5212, 0.3149



67.7367, 0.3510, 0.3237



18.8501, 0.3033, 0.1687



13.7448, 0.3575, 0.3229



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.



16.9292, 0.5212, 0.3149



23.3874, 0.5851, 0.3178



26.4867, 0.4840, 0.3951



11.2314, 0.3275, 0.3267



8.1187, 0.6275, 0.3230



0.4252, 0.5916, 0.3033

Inverse Universe

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



16.9292, 0.5212, 0.3149



23.3874, 0.5851, 0.3178



26.4723, 0.2116, 0.2386



11.2314, 0.3275, 0.3267



8.1187, 0.6275, 0.3230



0.4252, 0.5916, 0.3033

Previews

White Background



This preview shows how the Yxy color 16.9282, 0.5212, 0.3149 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 16.9282, 0.5212, 0.3149 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 16.9282, 0.5212, 0.3149

Background



This preview shows how black text looks on a background with the Yxy color 16.9282, 0.5212, 0.3149.

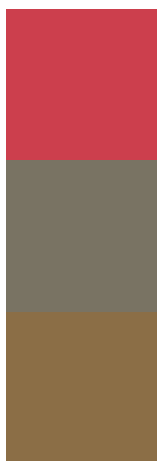


This preview shows how white text looks on a background with the Yxy color 16.9282, 0.5212, 0.3149.

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

16.9282, 0.5212, 0.3149

Protanopia

17.2273, 0.3406, 0.3606

Deuteranopia

17.0830, 0.4069, 0.4011



Tritanopia

17.0353, 0.5336, 0.3266

Trichromacy



Original Color

16.9282, 0.5212, 0.3149

Protanomaly

15.7004, 0.4053, 0.3379

Deuteranomaly

16.0963, 0.4528, 0.3604

Tritanomaly

16.9591, 0.5299, 0.3224

Monochromacy



Original Color

16.9282, 0.5212, 0.3149

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

14.0775, 0.3868, 0.3201

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9282, 0.5212, 0.3149 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(204, 63, 77)` looks like.

```
.text, #text, p{  
  color:rgb(204, 63, 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(204, 63, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 63, 77) }
```

Border

The CSS property to change the border of an element to Yxy 16.9282, 0.5212, 0.3149 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(204, 63, 77) }
```

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

```
.border{ border-color:rgb(204, 63, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 63, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 63, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 63, 77);  
box-shadow:4px 4px 4px 4px rgb(204, 63,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9282, 0.5212, 0.3149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 63, 77) }
```

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

```
.background{ background-color: rgb(204, 63,  
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](#).

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