

Converting Colors

$Yxy(16.2435, 0.5340, 0.3152)$

Have a look what the booklet for
Yxy(16.2435, 0.5340, 0.3152)
contains.

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Color

Yxy(16.2315, 0.5338, 0.3147)

Conversions

Conversions Part 1

Format	Color
Hex	CC3948
RGB	204, 57, 72
RGB Percent	80%, 22%, 28%
CMY	0.2001, 0.7764, 0.7176
CMYK	0.00, 0.72, 0.65, 0.20
HSL	354°, 59%, 51%
HSV	354°, 72%, 80%
XYZ	27.5322, 16.2315, 7.8140
YIQ	102.6630, 82.7970, 35.8290

Conversions

Conversions Part 2

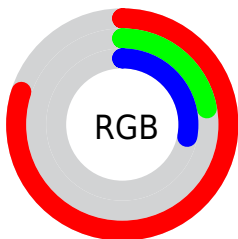
Format	Color
R_{YB}	204, 57, 72
Decimal	13384008
CIE _{Lab}	47.28, 58.08, 25.99
CIE _{LCh}	47, 63.632, 24.102
Yxy	16.2315, 0.5338, 0.3147
Android (android.graphics.Color)	4291574088 (0xFFCC3948)
YUV	102.6630, -15.1169, 88.8725
Hunter-Lab	40.2883, 51.4784, 16.7024

Details

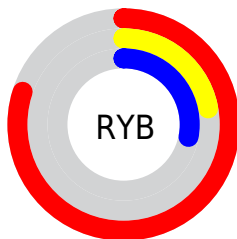
The Yxy color **16.2315, 0.5338, 0.3147** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **47.7243, 0.2390, 0.3513**, and the grayscale version is **13.4976, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.6507, 0.4730, 0.3236**, and **5.9283, 0.6023, 0.3092** is the 20% darker color. If you saturate the color by 10%, you get **14.3991, 0.5765, 0.3168**, and if you desaturate by 10%, it is **18.9469, 0.4887, 0.3145**.

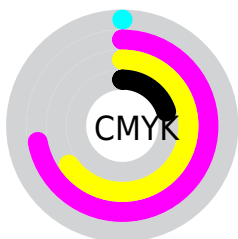
Distribution



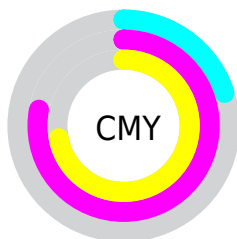
- Red (80%)
- Green (22%)
- Blue (28%)



- Red (80%)
- Yellow (22%)
- Blue (28%)



- Cyan (0%)
- Magenta (72%)
- Yellow (65%)
- Black (20%)





- Cyan (20%)
- Magenta (78%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2315, 0.5338, 0.3147 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 16.2315, 0.5338, 0.3147 by changing the saturation by 10% instead.


 16.2315, 0.5338,
0.3147


 16.2315, 0.5338,
0.3147


230.7039, 0.4050,
0.3309

 9.6881, 0.5715,
0.3057


 36.9996, 0.4826,
0.3238


 5.1927, 0.6222,
0.2903

 51.9932, 0.4646,
0.3261

 2.3607, 0.7032,
0.2668

 70.5722, 0.4500,
0.3277

 0.8056, 0.7896,
0.2104

 93.1212, 0.4379,
0.3288

 0.0000, 1.0000,
0.0000

 120.0244, 0.4277,
0.3296

 0.0000, 0.0000,
0.0000

151.6664, 0.4190,

0.3302

188.4314, 0.4115,
0.3306

■ 16.2315, 0.5338,
0.3147

■ 16.2315, 0.5338,
0.3147

■ 14.3991, 0.5765,
0.3168

■ 18.9469, 0.4887,
0.3145

■ 13.3364, 0.6107,
0.3207


■ 22.6347, 0.4463,
0.3158


■ 12.8888, 0.6291,
0.3239

■ 27.3765, 0.4092,
0.3180


■ 33.2447, 0.3781,
0.3206

■ 40.3051, 0.3527,
0.3233

 48.6185, 0.3321,
0.3260

 58.2415, 0.3157,
0.3285

 69.2274, 0.3024,
0.3308

 81.6263, 0.2917,
0.3330

Harmonies

Analogous

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



16.2315, 0.4363, 0.2454



16.2315, 0.5338, 0.3147



16.2315, 0.5463, 0.3912

Triad

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



16.2315, 0.5338, 0.3147



16.2315, 0.2790, 0.5503



16.2315, 0.1430, 0.1618

Complementary

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



16.2315, 0.5338, 0.3147



47.7243, 0.2390, 0.3513

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.



16.2315, 0.1202, 0.1966



16.2315, 0.5338, 0.3147



16.2315, 0.1843, 0.4283

Square

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



16.2315, 0.5338, 0.3147



16.2315, 0.3878, 0.5509



16.2315, 0.1313, 0.2833



16.2315, 0.2025, 0.1622

Rectangle

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



16.2315, 0.5338, 0.3147



16.2315, 0.5117, 0.4471



16.2315, 0.1313, 0.2833



16.2315, 0.1317, 0.1689

Sweetspot

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



16.2324, 0.5338, 0.3147



66.4502, 0.3532, 0.3232



17.8328, 0.2998, 0.1629



13.4950, 0.3597, 0.3225



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.



16.2324, 0.5338, 0.3147



22.8097, 0.5953, 0.3186



25.0223, 0.4962, 0.3932



11.2319, 0.3274, 0.3267



8.1201, 0.6270, 0.3228



0.4254, 0.5904, 0.3026

Inverse Universe

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



16.2324, 0.5338, 0.3147



22.8097, 0.5953, 0.3186



26.3006, 0.2094, 0.2382



11.2319, 0.3274, 0.3267



8.1201, 0.6270, 0.3228



0.4254, 0.5904, 0.3026

Previews

White Background



This preview shows how the Yxy color 16.2315, 0.5338, 0.3147 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 16.2315, 0.5338, 0.3147 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 16.2315, 0.5338, 0.3147

Background



This preview shows how black text looks on a background with the Yxy color 16.2315, 0.5338, 0.3147.



This preview shows how white text looks on a background with the Yxy color 16.2315, 0.5338, 0.3147.

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

16.2315, 0.5338, 0.3147

Protanopia

16.5584, 0.3436, 0.3652

Deuteranopia

16.4986, 0.4149, 0.4082



Tritanopia

16.3131, 0.5476, 0.3268

Trichromacy



Original Color

16.2315, 0.5338, 0.3147

Protanomaly

15.0009, 0.4124, 0.3397

Deuteranomaly

15.2314, 0.4646, 0.3632

Tritanomaly

16.2568, 0.5425, 0.3219

Monochromacy



Original Color

16.2315, 0.5338, 0.3147

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.0037, 0.3933, 0.3182

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2315, 0.5338, 0.3147 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, 57, 72)` looks like.

```
.text, #text, p{  
    color:rgb(204, 57, 72)  
}
```

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, 57, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 57, 72) }
```

Border

The CSS property to change the border of an element to Yxy 16.2315, 0.5338, 0.3147 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, 57, 72) }
```

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

```
.border{ border-color:rgb(204, 57, 72) }
```

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

Here you see how a box with a 4 pixel rgb(204, 57, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 57, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 57, 72);  
box-shadow:4px 4px 4px 4px rgb(204, 57,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2315, 0.5338, 0.3147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 57, 72) }
```

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

```
.background{ background-color: rgb(204, 57,  
72) }
```

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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