

Converting Colors

$Yxy(16.0987, 0.5309, 0.3098)$

Have a look what the booklet for
Yxy(16.0987, 0.5309, 0.3098)
contains.

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Color

Yxy(16.0777, 0.5303, 0.3096)

Conversions

Conversions Part 1

Format	Color
Hex	CC374B
RGB	204, 55, 75
RGB Percent	80%, 22%, 29%
CMY	0.2000, 0.7843, 0.7058
CMYK	0.00, 0.73, 0.63, 0.20
HSL	352°, 59%, 51%
HSV	352°, 73%, 80%
XYZ	27.5388, 16.0777, 8.3141
YIQ	101.8310, 82.3840, 37.8080

Conversions

Conversions Part 2

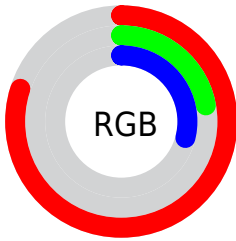
Format	Color
RYB	204, 55, 75
Decimal	13383499
CIELab	47.08, 58.98, 23.90
CIELCh	47, 63.635, 22.063
Yxy	16.0777, 0.5303, 0.3096
Android (android.graphics.Color)	4291573579 (0xFFCC374B)
YUV	101.8310, -13.2277, 89.6022
Hunter-Lab	40.0970, 52.4247, 15.7742

Details

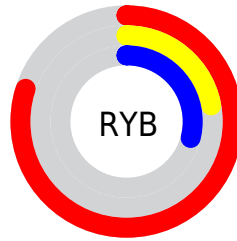
The Yxy color **16.0777, 0.5303, 0.3096** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **47.4573, 0.2409, 0.3593**, and the grayscale version is **13.2613, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.5255, 0.4686, 0.3186**, and **5.9439, 0.5963, 0.3058** is the 20% darker color. If you saturate the color by 10%, you get **14.3154, 0.5722, 0.3122**, and if you desaturate by 10%, it is **18.7095, 0.4864, 0.3094**.

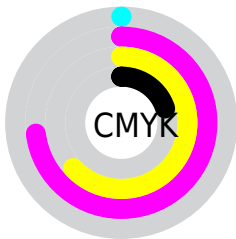
Distribution



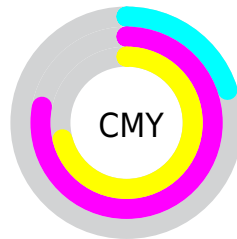
- Red (80%)
- Green (22%)
- Blue (29%)



- Red (80%)
- Yellow (22%)
- Blue (29%)



- Cyan (0%)
- Magenta (73%)
- Yellow (63%)
- Black (20%)





- Cyan (20%)
- Magenta (78%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.0777, 0.5303, 0.3096 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 16.0777, 0.5303, 0.3096 by changing the saturation by 10% instead.


 16.0777, 0.5303,
0.3096


 16.0777, 0.5303,
0.3096


229.7998, 0.4032,
0.3281


 9.5792, 0.5679,
0.3003


 36.7330, 0.4796,
0.3194


 5.1208, 0.6188,
0.2846

 51.6586, 0.4619,
0.3220


 2.3183, 0.6970,
0.2596

 70.1620, 0.4474,
0.3239

 0.7834, 0.7943,
0.2057

 92.6276, 0.4355,
0.3253

 0.0000, 1.0000,
0.0000

 119.4398, 0.4255,
0.3263

 0.0000, 0.0000,
0.0000

150.9829, 0.4169,

0.3271

187.6415, 0.4096,
0.3276

■ 16.0777, 0.5303,
0.3096

■ 16.0777, 0.5303,
0.3096

■ 14.3154, 0.5722,
0.3122

■ 18.7095, 0.4864,
0.3094

■ 13.3082, 0.6063,
0.3172

■ 22.3010, 0.4451,
0.3111

■ 12.9183, 0.6236,
0.3209


■ 26.9342, 0.4088,
0.3140

■ 32.6816, 0.3784,
0.3175

■ 39.6090, 0.3534,
0.3211

 47.7774, 0.3333,
0.3247

 57.2433, 0.3170,
0.3280

 68.0599, 0.3039,
0.3311

 80.2773, 0.2933,
0.3340

Harmonies

Analogous

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



16.0777, 0.4280, 0.2409



16.0777, 0.5303, 0.3096



16.0777, 0.5487, 0.3857

Triad

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



16.0777, 0.5303, 0.3096



16.0777, 0.2861, 0.5552



16.0777, 0.1400, 0.1625

Complementary

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



16.0777, 0.5303, 0.3096



47.4573, 0.2409, 0.3593

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.



16.0777, 0.1194, 0.2002



16.0777, 0.5303, 0.3096



16.0777, 0.1893, 0.4393

Square

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



16.0777, 0.5303, 0.3096



16.0777, 0.3950, 0.5478



16.0777, 0.1330, 0.2913



16.0777, 0.1968, 0.1608

Rectangle

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



16.0777, 0.5303, 0.3096



16.0777, 0.5168, 0.4413



16.0777, 0.1330, 0.2913



16.0777, 0.1294, 0.1704

Sweetspot

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



16.0786, 0.5303, 0.3096



66.5385, 0.3518, 0.3214



16.9951, 0.2936, 0.1585



13.5155, 0.3580, 0.3204



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.



16.0786, 0.5303, 0.3096



22.5536, 0.5943, 0.3150



23.6606, 0.5053, 0.3874



11.2378, 0.3269, 0.3259



8.1390, 0.6212, 0.3195



0.4281, 0.5767, 0.2950

Inverse Universe

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



16.0786, 0.5303, 0.3096



22.5536, 0.5943, 0.3150



27.5803, 0.2106, 0.2452



11.2378, 0.3269, 0.3259



8.1390, 0.6212, 0.3195



0.4281, 0.5767, 0.2950

Previews

White Background



This preview shows how the Yxy color 16.0777, 0.5303, 0.3096 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 16.0777, 0.5303, 0.3096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

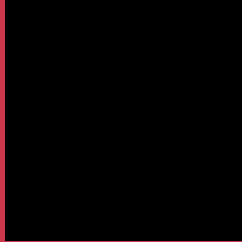
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.0777, 0.5303, 0.3096

Background



This preview shows how black text looks on a background with the Yxy color 16.0777, 0.5303, 0.3096.

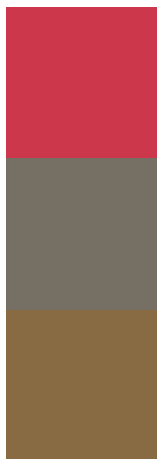


This preview shows how white text looks on a background with the Yxy color 16.0777, 0.5303, 0.3096.

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

16.0777, 0.5303, 0.3096

Protanopia

16.2711, 0.3360, 0.3554

Deuteranopia

16.1549, 0.4092, 0.4024



Tritanopia

16.0489, 0.5506, 0.3278

Trichromacy



Original Color

16.0777, 0.5303, 0.3096

Protanomaly

14.6099, 0.4074, 0.3310

Deuteranomaly

14.9987, 0.4598, 0.3574

Tritanomaly

16.0044, 0.5440, 0.3219

Monochromacy



Original Color

16.0777, 0.5303, 0.3096

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

12.7587, 0.3924, 0.3163

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0777, 0.5303, 0.3096 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, 55, 75)` looks like.

```
.text, #text, p{  
    color:rgb(204, 55, 75)  
}
```

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, 55, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 55, 75) }
```

Border

The CSS property to change the border of an element to Yxy 16.0777, 0.5303, 0.3096 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, 55, 75) }
```

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

```
.border{ border-color:rgb(204, 55, 75) }
```

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

Here you see how a box with a 4 pixel rgb(204, 55, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 55, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 55, 75);  
box-shadow:4px 4px 4px 4px rgb(204, 55,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 16.0777, 0.5303, 0.3096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 55, 75) }
```

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

```
.background{ background-color: rgb(204, 55,  
75) }
```

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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