

Converting Colors

$Y_{xy}(16.3422, 0.4984, 0.2780)$

Have a look what the booklet for
Yxy(16.3422, 0.4984, 0.2780)
contains.

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Color

Yxy(16.3248, 0.4978, 0.2780)

Conversions

Conversions Part 1

Format	Color
Hex	D02F62
RGB	208, 47, 98
RGB Percent	82%, 18%, 38%
CMY	0.1843, 0.8156, 0.6157
CMYK	0.00, 0.77, 0.53, 0.18
HSL	341°, 63%, 50%
HSV	341°, 77%, 82%
XYZ	29.2320, 16.3248, 13.1655
YIQ	100.9530, 79.5850, 49.9930

Conversions

Conversions Part 2

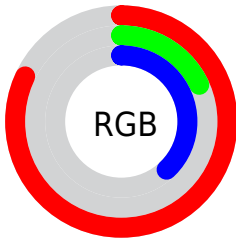
Format	Color
R_{YB}	208, 47, 98
Decimal	13643618
CIE _{Lab}	47.40, 64.24, 10.41
CIE _{LCh}	47, 65.074, 9.204
Yxy	16.3248, 0.4978, 0.2780
Android (android.graphics.Color)	4291833698 (0xFFD02F62)
YUV	100.9530, -1.4558, 93.8802
Hunter-Lab	40.4040, 58.4365, 8.9633

Details

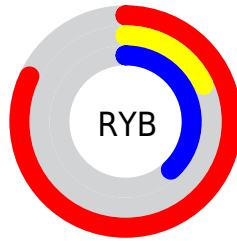
The Yxy color **16.3248, 0.4978, 0.2780** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed rose. A complement of this color would be **48.1478, 0.2535, 0.4095**, and the grayscale version is **12.9928, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.1232, 0.4405, 0.2893**, and **6.4510, 0.5518, 0.2813** is the 20% darker color. If you saturate the color by 10%, you get **14.7944, 0.5329, 0.2818**, and if you desaturate by 10%, it is **18.6965, 0.4623, 0.2788**.

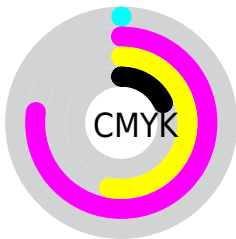
Distribution



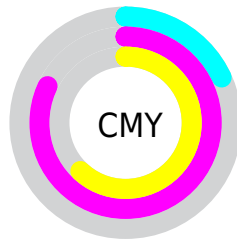
- Red (82%)
- Green (18%)
- Blue (38%)



- Red (82%)
- Yellow (18%)
- Blue (38%)



- Cyan (0%)
- Magenta (77%)
- Yellow (53%)
- Black (18%)





- Cyan (18%)
- Magenta (82%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.3248, 0.4978, 0.2780 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 16.3248, 0.4978, 0.2780 by changing the saturation by 10% instead.


 16.3248, 0.4978,
0.2780


 16.3248, 0.4978,
0.2780


231.2507, 0.3898,
0.3105

 9.7543, 0.5306,
0.2668


 37.1612, 0.4544,
0.2919


 5.2363, 0.5762,
0.2501

 52.1958, 0.4393,
0.2965


 2.3866, 0.6426,
0.2235

 70.8206, 0.4272,
0.3001

 0.8190, 0.7768,
0.1860

 93.4199, 0.4171,
0.3030

 0.0000, 1.0000,
0.0000

 120.3782, 0.4086,
0.3054

 0.0000, 0.0000,
0.0000

152.0799, 0.4014,

0.3074

188.9092, 0.3952,
0.3091

■ 16.3248, 0.4978,
0.2780

■ 16.3248, 0.4978,
0.2780

■ 14.7944, 0.5329,
0.2818

■ 18.6965, 0.4623,
0.2788

■ 13.9634, 0.5645,
0.2902

■ 22.0086, 0.4290,
0.2832


■ 13.8005, 0.5722,
0.2926

■ 26.3491, 0.3995,
0.2899

■ 31.7951, 0.3742,
0.2980

■ 38.4162, 0.3531,
0.3066

 46.2764, 0.3357,
0.3151

 55.4350, 0.3215,
0.3233

 65.9473, 0.3099,
0.3309

 77.8657, 0.3005,
0.3380

Harmonies

Analogous

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



16.3248, 0.3718, 0.2140



16.3248, 0.4978, 0.2780



16.3248, 0.5555, 0.3516

Triad

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



16.3248, 0.4978, 0.2780



16.3248, 0.3324, 0.5705



16.3248, 0.1250, 0.1714

Complementary

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



16.3248, 0.4978, 0.2780



48.1478, 0.2535, 0.4095

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.



16.3248, 0.1184, 0.2297



16.3248, 0.4978, 0.2780



16.3248, 0.2255, 0.5049

Square

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



16.3248, 0.4978, 0.2780



16.3248, 0.4401, 0.5202



16.3248, 0.1490, 0.3502



16.3248, 0.1656, 0.1557

Rectangle

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



16.3248, 0.4978, 0.2780



16.3248, 0.5436, 0.4050



16.3248, 0.1490, 0.3502



16.3248, 0.1191, 0.1851

Sweetspot

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



16.3257, 0.4978, 0.2780



65.8003, 0.3455, 0.3101



13.4920, 0.2574, 0.1347



13.1516, 0.3522, 0.3070



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.



16.3257, 0.4978, 0.2780



22.4772, 0.5546, 0.2871



18.4923, 0.5549, 0.3543



11.8691, 0.3241, 0.3217



8.6176, 0.5685, 0.2906



0.4962, 0.5159, 0.2615

Inverse Universe

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



16.3257, 0.4978, 0.2780



22.4772, 0.5546, 0.2871



38.2733, 0.2191, 0.2880



11.8691, 0.3241, 0.3217



8.6176, 0.5685, 0.2906



0.4962, 0.5159, 0.2615

Previews

White Background



This preview shows how the Yxy color 16.3248, 0.4978, 0.2780 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 16.3248, 0.4978, 0.2780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

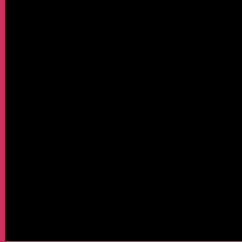
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.3248, 0.4978, 0.2780

Background



This preview shows how black text looks on a background with the Yxy color 16.3248, 0.4978, 0.2780.



This preview shows how white text looks on a background with the Yxy color 16.3248, 0.4978, 0.2780.

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

16.3248, 0.4978, 0.2780

Protanopia

16.5693, 0.2869, 0.2901

Deuteranopia

16.5810, 0.3707, 0.3652



Tritanopia

16.3638, 0.5552, 0.3279

Trichromacy



Original Color

16.3248, 0.4978, 0.2780

Protanomaly

14.4465, 0.3551, 0.2739

Deuteranomaly

14.9195, 0.4221, 0.3180

Tritanomaly

16.2926, 0.5377, 0.3106

Monochromacy



Original Color

16.3248, 0.4978, 0.2780

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.3804, 0.3820, 0.2945

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3248, 0.4978, 0.2780 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(208, 47, 98)` looks like.

```
.text, #text, p{  
    color:rgb(208, 47, 98)  
}
```

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(208, 47, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 47, 98) }
```

Border

The CSS property to change the border of an element to Yxy 16.3248, 0.4978, 0.2780 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(208, 47, 98) }
```

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

```
.border{ border-color:rgb(208, 47, 98) }
```

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

Here you see how a box with a 4 pixel rgb(208, 47, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 47, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 47, 98);  
box-shadow:4px 4px 4px 4px rgb(208, 47,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3248, 0.4978, 0.2780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 47, 98) }
```

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

```
.background{ background-color: rgb(208, 47,  
98) }
```

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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