

Converting Colors

$Y_{xy}(16.8187, 0.5030, 0.2676)$

Have a look what the booklet for
Yxy(16.8187, 0.5030, 0.2676)
contains.

Yxy(16.8187, 0.5030, 0.2676)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.8187, 0.5030, 0.2676)

Conversions

Conversions Part 1

Format	Color
Hex	D92167
RGB	217, 33, 103
RGB Percent	85%, 13%, 40%
CMY	0.1489, 0.8708, 0.5960
CMYK	0.00, 0.85, 0.53, 0.15
HSL	337°, 74%, 49%
HSV	337°, 85%, 85%
XYZ	31.6136, 16.8187, 14.4178
YIQ	95.9960, 87.1940, 60.7780

Conversions

Conversions Part 2

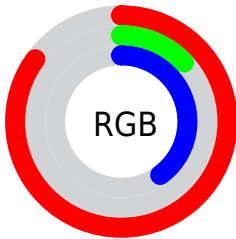
Format	Color
R_{YB}	217, 33, 103
Decimal	14229863
CIE _{Lab}	48.03, 70.44, 8.46
CIE _{LCh}	48, 70.941, 6.848
Yxy	16.8187, 0.5030, 0.2676
Android (android.graphics.Color)	4292419943 (0xFFD92167)
YUV	95.9960, 3.4530, 106.1205
Hunter-Lab	41.0106, 65.8308, 7.8632

Details

The Yxy color **16.8187, 0.5030, 0.2676** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **52.0655, 0.2585, 0.4383**, and the grayscale version is **11.6654, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.9005, 0.4353, 0.2769**, and **7.2640, 0.5474, 0.2789** is the 20% darker color. If you saturate the color by 10%, you get **15.7314, 0.5335, 0.2745**, and if you desaturate by 10%, it is **18.7260, 0.4708, 0.2660**.

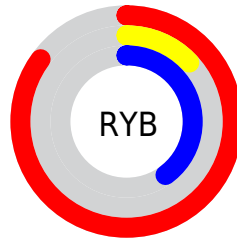
Distribution



Red (85%)

Green (13%)

Blue (40%)



Red (85%)

Yellow (13%)

Blue (40%)

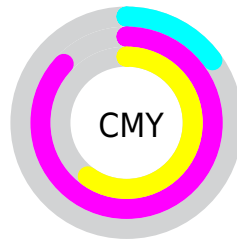


Cyan (0%)

Magenta (85%)

Yellow (53%)

Black (15%)



Cyan (15%)


Magenta (87%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8187, 0.5030, 0.2676 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 16.8187, 0.5030, 0.2676 by changing the saturation by 10% instead.


 16.8187, 0.5030,
0.2676


 16.8187, 0.5030,
0.2676


234.1254, 0.3928,
0.3054


 10.1053, 0.5359,
0.2552


 38.0138, 0.4590,
0.2834


 5.4688, 0.5814,
0.2373

 53.2643, 0.4437,
0.2887

 2.5249, 0.6469,
0.2099

 72.1293, 0.4312,
0.2929

 0.8891, 0.7599,
0.1686

 94.9932, 0.4209,
0.2963

 0.0000, 1.0000,
0.0000

 122.2403, 0.4122,
0.2992

 0.0000, 0.0000,
0.0000

 154.2552, 0.4048,

0.3016

191.4221, 0.3984,
0.3036

■ 16.8187, 0.5030,
0.2676

■ 16.8187, 0.5030,
0.2676

■ 15.7314, 0.5335,
0.2745

■ 18.7260, 0.4708,
0.2660


■ 15.3741, 0.5483,
0.2794


■ 21.5815, 0.4394,
0.2690


■ 25.4938, 0.4105,
0.2756


■ 30.5559, 0.3851,
0.2844

■ 36.8504, 0.3634,
0.2943

 44.4524, 0.3452,
0.3047

 53.4307, 0.3302,
0.3148

 63.8496, 0.3178,
0.3245

 75.7690, 0.3077,
0.3336

Harmonies

Analogous

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



16.8187, 0.3639, 0.2026



16.8187, 0.5030, 0.2676



16.8187, 0.5708, 0.3426

Triad

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



16.8187, 0.5030, 0.2676



16.8187, 0.3384, 0.5882



16.8187, 0.1137, 0.1646

Complementary

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



16.8187, 0.5030, 0.2676



52.0655, 0.2585, 0.4383

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.



16.8187, 0.1090, 0.2288



16.8187, 0.5030, 0.2676



16.8187, 0.2254, 0.5325

Square

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



16.8187, 0.5030, 0.2676



16.8187, 0.4516, 0.5216



16.8187, 0.1427, 0.3634



16.8187, 0.1524, 0.1465

Rectangle

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



16.8187, 0.5030, 0.2676



16.8187, 0.5602, 0.3972



16.8187, 0.1427, 0.3634



16.8187, 0.1084, 0.1797

Sweetspot

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



16.8197, 0.5030, 0.2676



63.5638, 0.3459, 0.3042



12.2488, 0.2405, 0.1178



12.7326, 0.3520, 0.3006



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.



16.8197, 0.5030, 0.2676



22.1245, 0.5505, 0.2806



17.5424, 0.5928, 0.3439



13.1331, 0.3232, 0.3201



9.3234, 0.5445, 0.2773



0.6205, 0.5003, 0.2530

Inverse Universe

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



16.8197, 0.5030, 0.2676



22.1245, 0.5505, 0.2806



44.6097, 0.2187, 0.2975



13.1331, 0.3232, 0.3201



9.3234, 0.5445, 0.2773



0.6205, 0.5003, 0.2530

Previews

White Background



This preview shows how the Yxy color 16.8187, 0.5030, 0.2676 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 16.8187, 0.5030, 0.2676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

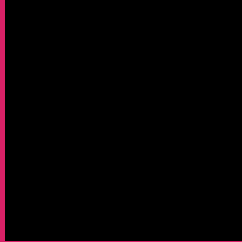
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8187, 0.5030, 0.2676

Background



This preview shows how black text looks on a background with the Yxy color 16.8187, 0.5030, 0.2676.



This preview shows how white text looks on a background with the Yxy color 16.8187, 0.5030, 0.2676.

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

16.8187, 0.5030, 0.2676

Protanopia

17.2364, 0.2724, 0.2724

Deuteranopia

16.9466, 0.3661, 0.3593



Tritanopia

16.9673, 0.5771, 0.3290

Trichromacy



Original Color

16.8187, 0.5030, 0.2676

Protanomaly

14.3779, 0.3449, 0.2553

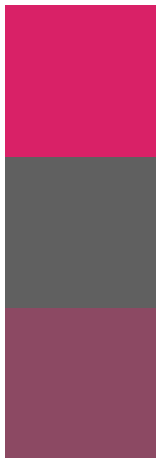
Deuteranomaly

14.7902, 0.4236, 0.3058

Tritanomaly

16.8425, 0.5553, 0.3084

Monochromacy



Original Color

16.8187, 0.5030, 0.2676

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.2414, 0.3877, 0.2821

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8187, 0.5030, 0.2676 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(217, 33, 103)` looks like.

```
.text, #text, p{  
    color:rgb(217, 33, 103)  
}
```

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(217, 33, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 33, 103) }
```

Border

The CSS property to change the border of an element to Yxy 16.8187, 0.5030, 0.2676 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(217, 33, 103) }
```

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

```
.border{ border-color:rgb(217, 33, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 33, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 33, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 33, 103);  
box-shadow:4px 4px 4px 4px rgb(217, 33,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8187, 0.5030, 0.2676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 33, 103) }
```

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

```
.background{ background-color: rgb(217, 33,  
103) }
```

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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