

Converting Colors

$Y_{xy}(18.0175, 0.4264, 0.2187)$

Have a look what the booklet for
Yxy(18.0175, 0.4264, 0.2187)
contains.

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Color

Yxy(18.0175, 0.4264, 0.2187)

Conversions

Conversions Part 1

Format	Color
Hex	DC1993
RGB	220, 25, 147
RGB Percent	86%, 10%, 58%
CMY	0.1373, 0.9018, 0.4234
CMYK	0.00, 0.89, 0.33, 0.14
HSL	322°, 80%, 48%
HSV	322°, 89%, 86%
XYZ	35.1288, 18.0175, 29.2383
YIQ	97.2130, 77.0580, 79.2820

Conversions

Conversions Part 2

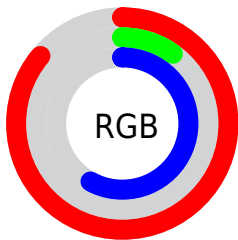
Format	Color
R_{YB}	220, 25, 147
Decimal	14424467
CIE _{Lab}	49.52, 76.42, -16.07
CIE _{LCh}	50, 78.090, 348.124
Yxy	18.0175, 0.4264, 0.2187
Android (android.graphics.Color)	4292614547 (0xFFDC1993)
YUV	97.2130, 24.5450, 107.6842
Hunter-Lab	42.4470, 73.4427, -11.1271

Details

The Yxy color **18.0175, 0.4264, 0.2187** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark washed rose. A complement of this color would be **52.2714, 0.2802, 0.5194**, and the grayscale version is **11.9388, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.5914, 0.3759, 0.2308**, and **8.2155, 0.4507, 0.2256** is the 20% darker color. If you saturate the color by 10%, you get **17.1382, 0.4430, 0.2221**, and if you desaturate by 10%, it is **19.6255, 0.4094, 0.2203**.

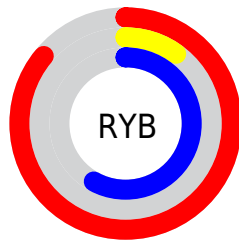
Distribution



Red (86%)

Green (10%)

Blue (58%)



Red (86%)

Yellow (10%)

Blue (58%)

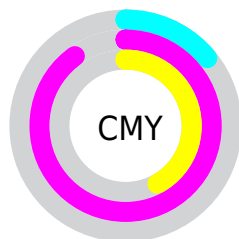


Cyan (0%)

Magenta (89%)

Yellow (33%)

Black (14%)



Cyan (14%)


Magenta (90%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0175, 0.4264, 0.2187 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 18.0175, 0.4264, 0.2187 by changing the saturation by 10% instead.


 18.0175, 0.4264,
0.2187


 18.0175, 0.4264,
0.2187


240.9697, 0.3639,
0.2770


 10.9626, 0.4439,
0.2034


 40.0671, 0.4023,
0.2405


 6.0417, 0.4675,
0.1834


 55.8306, 0.3937,
0.2485

 2.8704, 0.5009,
0.1564

 75.2657, 0.3866,
0.2552

 1.0645, 0.5510,
0.1191

 98.7569, 0.3806,
0.2609

 0.0000, 0.6767,
0.0000

 126.6885, 0.3755,
0.2658

 0.0000, 1.0000,
0.0000

 159.4449, 0.3711,

 0.0000, 0.0000,

0.2700

0.0000

197.4105, 0.3673,
0.2737

■ 18.0175, 0.4264,
0.2187

■ 18.0175, 0.4264,
0.2187

■ 17.1382, 0.4430,
0.2221

■ 19.6255, 0.4094,
0.2203

■ 17.0392, 0.4453,
0.2227

■ 22.1370, 0.3925,
0.2269

■ 25.6705, 0.3765,
0.2376

■ 30.3258, 0.3617,
0.2513

■ 36.1908, 0.3485,
0.2668

■ 43.3443, 0.3370,
0.2832

■ 51.8588, 0.3272,
0.2997

■ 61.8009, 0.3188,
0.3158

■ 73.2332, 0.3118,
0.3311

Harmonies

Analogous

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



18.0175, 0.2748, 0.1649



18.0175, 0.4264, 0.2187



18.0175, 0.5563, 0.2906

Triad

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



18.0175, 0.4264, 0.2187



18.0175, 0.4102, 0.5653



18.0175, 0.0972, 0.1887

Complementary

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



18.0175, 0.4264, 0.2187



52.2714, 0.2802, 0.5194

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.



18.0175, 0.1142, 0.2999



18.0175, 0.4264, 0.2187



18.0175, 0.2892, 0.6075

Square

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



18.0175, 0.4264, 0.2187



18.0175, 0.5203, 0.4636



18.0175, 0.1794, 0.4864



18.0175, 0.1151, 0.1443

Rectangle

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



18.0175, 0.4264, 0.2187



18.0175, 0.5874, 0.3424



18.0175, 0.1794, 0.4864



18.0175, 0.0986, 0.2165

Sweetspot

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



18.0185, 0.4264, 0.2187



62.1110, 0.3356, 0.2855



8.3789, 0.1912, 0.0883



12.4934, 0.3393, 0.2798



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.



18.0185, 0.4264, 0.2187



23.7825, 0.4466, 0.2234



16.1506, 0.5942, 0.3151



13.1879, 0.3195, 0.3145



10.0232, 0.4429, 0.2213



0.6658, 0.4178, 0.2075

Inverse Universe

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



18.0185, 0.4264, 0.2187



23.7825, 0.4466, 0.2234



55.2844, 0.2369, 0.3665



13.1879, 0.3195, 0.3145



10.0232, 0.4429, 0.2213



0.6658, 0.4178, 0.2075

Previews

White Background



This preview shows how the Yxy color 18.0175, 0.4264, 0.2187 looks on a white background.

Color Contrast Check

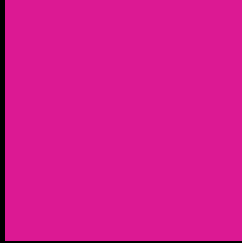
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.0175, 0.4264, 0.2187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

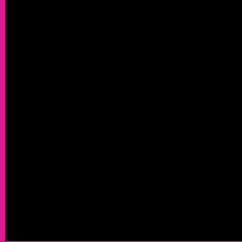
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.0175, 0.4264, 0.2187

Background



This preview shows how black text looks on a background with the Yxy color 18.0175, 0.4264, 0.2187.



This preview shows how white text looks on a background with the Yxy color 18.0175, 0.4264, 0.2187.

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

18.0175, 0.4264, 0.2187

Protanopia

18.5667, 0.2053, 0.1857

Deuteranopia

18.3619, 0.2949, 0.2904



Tritanopia

18.0038, 0.5508, 0.3270

Trichromacy



Original Color

18.0175, 0.4264, 0.2187



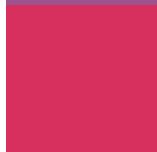
Protanomaly

14.4351, 0.2535, 0.1738



Deuteranomaly

15.2777, 0.3403, 0.2384



Tritanomaly

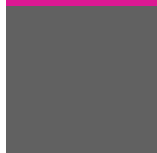
17.5210, 0.5127, 0.2861

Monochromacy



Original Color

18.0175, 0.4264, 0.2187



Achromatopsia

11.9538, 0.3127, 0.3290



Achromatomaly

11.4951, 0.3622, 0.2523

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0175, 0.4264, 0.2187 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(220, 25, 147)` looks like.

```
.text, #text, p{  
    color:rgb(220, 25, 147)  
}
```

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(220, 25, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 25, 147) }
```

Border

The CSS property to change the border of an element to Yxy 18.0175, 0.4264, 0.2187 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(220, 25, 147) }
```

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

```
.border{ border-color:rgb(220, 25, 147) }
```

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

Here you see how a box with a 4 pixel rgb(220, 25, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 25, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 25, 147);  
box-shadow:4px 4px 4px 4px rgb(220, 25,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0175, 0.4264, 0.2187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 25, 147) }
```

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

```
.background{ background-color: rgb(220, 25,  
147) }
```

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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