

Converting Colors

$Y_{xy}(17.7835, 0.4189, 0.2043)$

Have a look what the booklet for
Yxy(17.7835, 0.4189, 0.2043)
contains.

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Color

Yxy(18.2476, 0.4174, 0.2073)

Conversions

Conversions Part 1

Format	Color
Hex	E0009C
RGB	224, 0, 156
RGB Percent	88%, 0%, 61%
CMY	0.1216, 0.9999, 0.3883
CMYK	0.00, 1.00, 0.30, 0.12
HSL	318°, 100%, 44%
HSV	318°, 100%, 88%
XYZ	36.7417, 18.2476, 33.0358
YIQ	84.7600, 83.4280, 96.0040

Conversions

Conversions Part 2

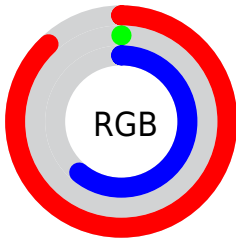
Format	Color
R_{YB}	224, 0, 156
Decimal	14680220
CIE _{Lab}	49.80, 80.63, -20.95
CIE _{LCh}	50, 83.309, 345.434
Yxy	18.2476, 0.4174, 0.2073
Android (android.graphics.Color)	4292870300 (0xFFE0009C)
YUV	84.7600, 35.1213, 122.1135
Hunter-Lab	42.7172, 78.7752, -15.9505

Details

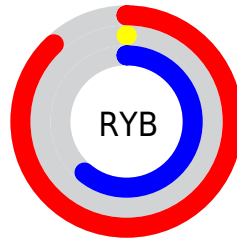
The Yxy color **18.2476, 0.4174, 0.2073** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **53.7313, 0.2891, 0.5608**, and the grayscale version is **8.9475, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.9686, 0.3650, 0.2175**, and **8.8065, 0.4349, 0.2169** is the 20% darker color. If you saturate the color by 10%, you get **18.2477, 0.4174, 0.2073**, and if you desaturate by 10%, it is **19.0753, 0.4048, 0.2052**.

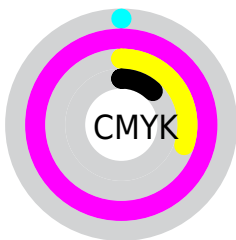
Distribution



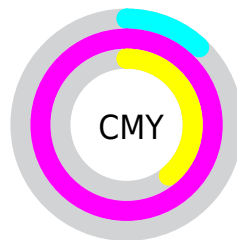
- Red (88%)
- Green (0%)
- Blue (61%)



- Red (88%)
- Yellow (0%)
- Blue (61%)



- Cyan (0%)
- Magenta (100%)
- Yellow (30%)
- Black (12%)





- Cyan (12%)
- Magenta (100%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.2476, 0.4174, 0.2073 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 18.2476, 0.4174, 0.2073 by changing the saturation by 10% instead.


 18.2476, 0.4174,
0.2073


 18.2476, 0.4174,
0.2073


242.2630, 0.3610,
0.2703


 11.1279, 0.4327,
0.1912


 40.4588, 0.3960,
0.2305


 6.1529, 0.4531,
0.1706


 56.3190, 0.3882,
0.2392


 2.9383, 0.4812,
0.1434


 75.8616, 0.3817,
0.2464

 1.0996, 0.5221,
0.1070

 99.4709, 0.3763,
0.2526

 0.0000, 0.6216,
0.0000

 127.5313, 0.3716,
0.2580

 0.0000, 0.7924,
0.0000

 160.4272, 0.3676,

 0.0000, 0.0000,

0.2626

0.0000

198.5429, 0.3641,
0.2667

■ 18.2476, 0.4174,
0.2073

■ 18.2476, 0.4174,
0.2073

■ 18.2477, 0.4174,
0.2073

■ 19.0753, 0.4048,
0.2052

■ 20.5987, 0.3919,
0.2075

■ 23.0399, 0.3789,
0.2148

■ 26.5251, 0.3663,
0.2263

■ 31.1605, 0.3544,
0.2410

■ 37.0394, 0.3437,
0.2578

■ 44.2451, 0.3342,
0.2757

■ 52.8540, 0.3259,
0.2940

■ 62.9365, 0.3188,
0.3119

Harmonies

Analogous

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



18.2476, 0.2598, 0.1546



18.2476, 0.4174, 0.2073



18.2476, 0.5617, 0.2797

Triad

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



18.2476, 0.4174, 0.2073



18.2476, 0.4216, 0.5663



18.2476, 0.0893, 0.1878

Complementary

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



18.2476, 0.4174, 0.2073



53.7313, 0.2891, 0.5608

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.



18.2476, 0.1091, 0.3115



18.2476, 0.4174, 0.2073



18.2476, 0.2948, 0.6274

Square

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



18.2476, 0.4174, 0.2073



18.2476, 0.5357, 0.4551



18.2476, 0.1797, 0.5159



18.2476, 0.1048, 0.1388

Rectangle

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



18.2476, 0.4174, 0.2073



18.2476, 0.6000, 0.3316



18.2476, 0.1797, 0.5159



18.2476, 0.0915, 0.2186

Sweetspot

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



18.2486, 0.4174, 0.2073



59.1133, 0.3344, 0.2753



6.5837, 0.1691, 0.0705



11.7299, 0.3383, 0.2676



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.



18.2486, 0.4174, 0.2073



24.4572, 0.4183, 0.2078



16.0366, 0.6100, 0.3134



13.8610, 0.3184, 0.3128



10.6425, 0.4156, 0.2063



0.7534, 0.3975, 0.1963

Inverse Universe

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



18.2486, 0.4174, 0.2073



24.4572, 0.4183, 0.2078



56.5766, 0.2431, 0.3950



13.8610, 0.3184, 0.3128



10.6425, 0.4156, 0.2063



0.7534, 0.3975, 0.1963

Previews

White Background



This preview shows how the Yxy color 18.2476, 0.4174, 0.2073 looks on a white background.

Color Contrast Check

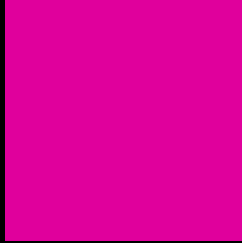
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.2476, 0.4174, 0.2073 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

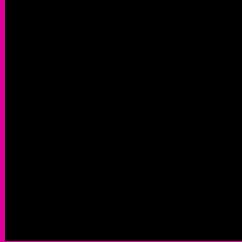
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.2476, 0.4174, 0.2073

Background



This preview shows how black text looks on a background with the Yxy color 18.2476, 0.4174, 0.2073.



This preview shows how white text looks on a background with the Yxy color 18.2476, 0.4174, 0.2073.

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

18.2476, 0.4174, 0.2073

Protanopia

19.1548, 0.1935, 0.1701

Deuteranopia

18.9541, 0.2832, 0.2785



Tritanopia

18.7208, 0.5529, 0.3280

Trichromacy



Original Color

18.2476, 0.4174, 0.2073



Protanomaly

13.1857, 0.2342, 0.1484



Deuteranomaly

14.4023, 0.3282, 0.2156



Tritanomaly

17.5297, 0.5150, 0.2786

Monochromacy



Original Color

18.2476, 0.4174, 0.2073



Achromatopsia

9.0842, 0.3127, 0.3290



Achromatomaly

9.0203, 0.3641, 0.2290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2476, 0.4174, 0.2073 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(224, 0, 156)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 156)  
}
```

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(224, 0, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 156) }
```

Border

The CSS property to change the border of an element to Yxy 18.2476, 0.4174, 0.2073 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(224, 0, 156) }
```

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

```
.border{ border-color:rgb(224, 0, 156) }
```

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

Here you see how a box with a 4 pixel rgb(224, 0, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 156);  
box-shadow:4px 4px 4px 4px rgb(224, 0,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 18.2476, 0.4174, 0.2073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 0, 156) }
```

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

```
.background{ background-color: rgb(224, 0,  
156) }
```

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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