

Converting Colors

$Y_{xy}(18.1273, 0.4617, 0.2376)$

Have a look what the booklet for
Yxy(18.1273, 0.4617, 0.2376)
contains.

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Color

Yxy(18.0598, 0.4604, 0.2367)

Conversions

Conversions Part 1

Format	Color
Hex	E01683
RGB	224, 22, 131
RGB Percent	88%, 9%, 51%
CMY	0.1215, 0.9139, 0.4862
CMYK	0.00, 0.90, 0.42, 0.12
HSL	328°, 82%, 48%
HSV	328°, 90%, 88%
XYZ	35.1277, 18.0598, 23.1107
YIQ	94.8240, 85.4030, 76.7230

Conversions

Conversions Part 2

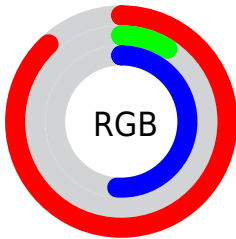
Format	Color
R_{YB}	224, 22, 131
Decimal	14685827
CIE Lab	49.57, 76.19, -6.25
CIE LCh	50, 76.451, 355.309
Yxy	18.0598, 0.4604, 0.2367
Android (android.graphics.Color)	4292875907 (0xFFE01683)
YUV	94.8240, 17.8348, 113.2874
Hunter-Lab	42.4968, 73.1780, -2.4955

Details

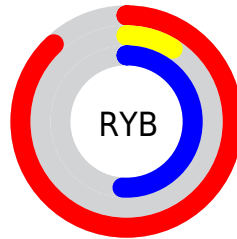
The Yxy color **18.0598, 0.4604, 0.2367** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **54.7256, 0.2735, 0.4975**, and the grayscale version is **11.3365, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.6444, 0.3968, 0.2456**, and **8.3957, 0.4927, 0.2488** is the 20% darker color. If you saturate the color by 10%, you get **17.2274, 0.4816, 0.2426**, and if you desaturate by 10%, it is **19.6108, 0.4381, 0.2355**.

Distribution



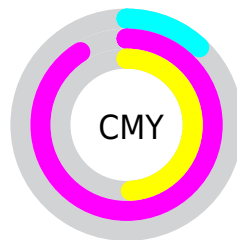
- Red (88%)
- Green (9%)
- Blue (51%)



- Red (88%)
- Yellow (9%)
- Blue (51%)



- Cyan (0%)
- Magenta (90%)
- Yellow (42%)
- Black (12%)




- Cyan (12%)
- Magenta (91%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0598, 0.4604, 0.2367 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 18.0598, 0.4604, 0.2367 by changing the saturation by 10% instead.


 18.0598, 0.4604,
0.2367


 18.0598, 0.4604,
0.2367


241.2079, 0.3773,
0.2874

 10.9929, 0.4845,
0.2226


 40.1392, 0.4278,
0.2562


 6.0621, 0.5174,
0.2036


 55.9205, 0.4163,
0.2632

 2.8829, 0.5648,
0.1771

 75.3754, 0.4068,
0.2690

 1.0709, 0.6370,
0.1385

 98.8883, 0.3990,
0.2739

 0.0000, 0.8531,
0.0000

 126.8437, 0.3923,
0.2780

 0.0000, 1.0000,
0.0000

 159.6258, 0.3866,

 0.0000, 0.0000,

0.2816

0.0000

197.6190, 0.3816,
0.2847

■ 18.0598, 0.4604,
0.2367

■ 18.0598, 0.4604,
0.2367

■ 17.2274, 0.4816,
0.2426

■ 19.6108, 0.4381,
0.2355

■ 22.0911, 0.4160,
0.2395

■ 25.6289, 0.3949,
0.2478

■ 30.3314, 0.3758,
0.2593

■ 36.2925, 0.3589,
0.2726

■ 43.5963, 0.3443,
0.2869

■ 52.3198, 0.3319,
0.3013

■ 62.5339, 0.3215,
0.3154

■ 74.3049, 0.3129,
0.3287

Harmonies

Analogous

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



18.0598, 0.3085, 0.1777



18.0598, 0.4604, 0.2367



18.0598, 0.5684, 0.3102

Triad

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



18.0598, 0.4604, 0.2367



18.0598, 0.3819, 0.5810



18.0598, 0.1014, 0.1761

Complementary

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



18.0598, 0.4604, 0.2367



54.7256, 0.2735, 0.4975

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.



18.0598, 0.1095, 0.2672



18.0598, 0.4604, 0.2367



18.0598, 0.2628, 0.5881

Square

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



18.0598, 0.4604, 0.2367



18.0598, 0.4949, 0.4876



18.0598, 0.1618, 0.4370



18.0598, 0.1270, 0.1429

Rectangle

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



18.0598, 0.4604, 0.2367



18.0598, 0.5817, 0.3630



18.0598, 0.1618, 0.4370



18.0598, 0.1001, 0.1984

Sweetspot

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



18.0608, 0.4604, 0.2367



61.7854, 0.3403, 0.2913



9.4582, 0.2028, 0.0934



12.4165, 0.3449, 0.2863



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.



18.0608, 0.4604, 0.2367



23.0841, 0.4830, 0.2434



16.5265, 0.6168, 0.3258



13.8236, 0.3208, 0.3164



10.0498, 0.4784, 0.2409



0.7146, 0.4475, 0.2239

Inverse Universe

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



18.0608, 0.4604, 0.2367



23.0841, 0.4830, 0.2434



58.3391, 0.2298, 0.3427



13.8236, 0.3208, 0.3164



10.0498, 0.4784, 0.2409



0.7146, 0.4475, 0.2239

Previews

White Background



This preview shows how the Yxy color 18.0598, 0.4604, 0.2367 looks on a white background.

Color Contrast Check

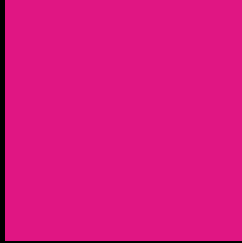
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.0598, 0.4604, 0.2367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

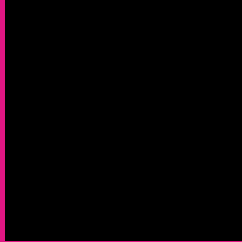
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.0598, 0.4604, 0.2367

Background



This preview shows how black text looks on a background with the Yxy color 18.0598, 0.4604, 0.2367.



This preview shows how white text looks on a background with the Yxy color 18.0598, 0.4604, 0.2367.

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

18.0598, 0.4604, 0.2367

Protanopia

18.6474, 0.2268, 0.2131

Deuteranopia

18.3337, 0.3224, 0.3161



Tritanopia

18.2335, 0.5701, 0.3290

Trichromacy



Original Color

18.0598, 0.4604, 0.2367



Protanomaly

14.4505, 0.2857, 0.1977



Deuteranomaly

15.2580, 0.3759, 0.2613



Tritanomaly

17.7244, 0.5385, 0.2960

Monochromacy



Original Color

18.0598, 0.4604, 0.2367



Achromatopsia

11.4435, 0.3127, 0.3290



Achromatomaly

10.9677, 0.3760, 0.2589

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0598, 0.4604, 0.2367 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, 22, 131)` looks like.

```
.text, #text, p{  
    color:rgb(224, 22, 131)  
}
```

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, 22, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 22, 131) }
```

Border

The CSS property to change the border of an element to Yxy 18.0598, 0.4604, 0.2367 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, 22, 131) }
```

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

```
.border{ border-color:rgb(224, 22, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 22, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 22, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 22, 131);  
box-shadow:4px 4px 4px 4px rgb(224, 22,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0598, 0.4604, 0.2367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 22, 131) }
```

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

```
.background{ background-color: rgb(224, 22,  
131) }
```

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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