

Converting Colors

$Y_{xy}(18.0960, 0.4568, 0.2290)$

Have a look what the booklet for
Yxy(18.0960, 0.4568, 0.2290)
contains.

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Color

Yxy(18.1085, 0.4566, 0.2289)

Conversions

Conversions Part 1

Format	Color
Hex	E30088
RGB	227, 0, 136
RGB Percent	89%, 0%, 53%
CMY	0.1098, 0.9998, 0.4667
CMYK	0.00, 1.00, 0.40, 0.11
HSL	324°, 100%, 45%
HSV	324°, 100%, 89%
XYZ	36.1221, 18.1085, 24.8804
YIQ	83.3770, 91.6360, 90.4200

Conversions

Conversions Part 2

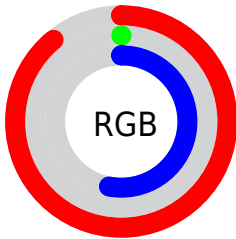
Format	Color
R_{YB}	227, 0, 136
Decimal	14876808
CIE _{Lab}	49.63, 79.29, -9.12
CIE _{LCh}	50, 79.818, 353.438
Yxy	18.1085, 0.4566, 0.2289
Android (android.graphics.Color)	4293066888 (0xFFE30088)
YUV	83.3770, 25.9431, 125.9574
Hunter-Lab	42.5541, 77.0502, -4.8776

Details

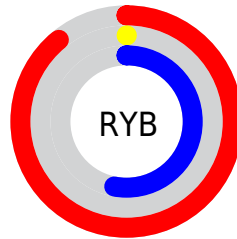
The Yxy color **18.1085, 0.4566, 0.2289** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **55.6953, 0.2819, 0.5346**, and the grayscale version is **8.6701, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.9395, 0.3916, 0.2370**, and **8.6712, 0.4852, 0.2447** is the 20% darker color. If you saturate the color by 10%, you get **18.1076, 0.4566, 0.2289**, and if you desaturate by 10%, it is **18.9815, 0.4384, 0.2243**.

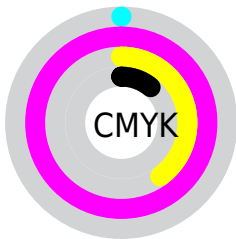
Distribution



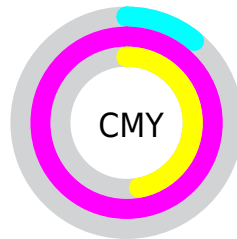
- Red (89%)
- Green (0%)
- Blue (53%)



- Red (89%)
- Yellow (0%)
- Blue (53%)



- Cyan (0%)
- Magenta (100%)
- Yellow (40%)
- Black (11%)





- Cyan (11%)
- Magenta (100%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.1085, 0.4566, 0.2289 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 18.1085, 0.4566, 0.2289 by changing the saturation by 10% instead.


 18.1085, 0.4566,
0.2289


 18.1085, 0.4566,
0.2289


241.4819, 0.3762,
0.2831


 11.0279, 0.4796,
0.2141


 40.2221, 0.4252,
0.2495


 6.0856, 0.5110,
0.1946


 56.0239, 0.4141,
0.2570

 2.8972, 0.5557,
0.1677

 75.5016, 0.4050,
0.2632

 1.0783, 0.6233,
0.1294

 99.0396, 0.3973,
0.2684

 0.0000, 0.8018,
0.0000

 127.0222, 0.3908,
0.2729

 0.0000, 1.0000,
0.0000

 159.8338, 0.3853,

 0.0000, 0.0000,

0.2768

0.0000

197.8590, 0.3804,
0.2801

■ 18.1085, 0.4566,
0.2289

■ 18.1085, 0.4566,
0.2289

■ 18.1076, 0.4566,
0.2289

■ 18.9815, 0.4384,
0.2243

■ 20.5826, 0.4198,
0.2245

■ 23.1396, 0.4013,
0.2299

■ 26.7832, 0.3836,
0.2395

■ 31.6234, 0.3673,
0.2523

■ 37.7569, 0.3529,
0.2671

■ 45.2700, 0.3402,
0.2828

■ 54.2419, 0.3294,
0.2987

■ 64.7455, 0.3203,
0.3142

Harmonies

Analogous

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



18.1085, 0.2987, 0.1703



18.1085, 0.4566, 0.2289



18.1085, 0.5743, 0.3029

Triad

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



18.1085, 0.4566, 0.2289



18.1085, 0.3883, 0.5839



18.1085, 0.0954, 0.1744

Complementary

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



18.1085, 0.4566, 0.2289



55.6953, 0.2819, 0.5346

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.



18.1085, 0.1053, 0.2722



18.1085, 0.4566, 0.2289



18.1085, 0.2661, 0.6054

Square

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



18.1085, 0.4566, 0.2289



18.1085, 0.5051, 0.4832



18.1085, 0.1610, 0.4545



18.1085, 0.1193, 0.1385

Rectangle

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



18.1085, 0.4566, 0.2289



18.1085, 0.5914, 0.3557



18.1085, 0.1610, 0.4545



18.1085, 0.0947, 0.1983

Sweetspot

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



18.1095, 0.4566, 0.2289



58.6994, 0.3405, 0.2825



7.7632, 0.1832, 0.0783



11.6311, 0.3456, 0.2757



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.



18.1095, 0.4566, 0.2289



23.5513, 0.4577, 0.2295



16.3931, 0.6302, 0.3246



14.5122, 0.3199, 0.3150



10.5840, 0.4540, 0.2275



0.8004, 0.4293, 0.2139

Inverse Universe

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



18.1095, 0.4566, 0.2289



23.5513, 0.4577, 0.2295



59.3131, 0.2335, 0.3606



14.5122, 0.3199, 0.3150



10.5840, 0.4540, 0.2275



0.8004, 0.4293, 0.2139

Previews

White Background



This preview shows how the Yxy color 18.1085, 0.4566, 0.2289 looks on a white background.

Color Contrast Check

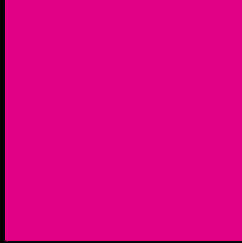
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.1085, 0.4566, 0.2289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

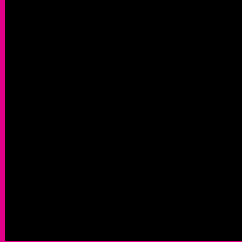
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.1085, 0.4566, 0.2289

Background



This preview shows how black text looks on a background with the Yxy color 18.1085, 0.4566, 0.2289.



This preview shows how white text looks on a background with the Yxy color 18.1085, 0.4566, 0.2289.

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

18.1085, 0.4566, 0.2289

Protanopia

18.7866, 0.2179, 0.2014

Deuteranopia

18.5863, 0.3161, 0.3107



Tritanopia

18.4438, 0.5732, 0.3290

Trichromacy



Original Color

18.1085, 0.4566, 0.2289



Protanomaly

13.4425, 0.2738, 0.1775



Deuteranomaly

14.4018, 0.3697, 0.2443



Tritanomaly

17.6314, 0.5431, 0.2909

Monochromacy



Original Color

18.1085, 0.4566, 0.2289



Achromatopsia

8.6500, 0.3127, 0.3290



Achromatomaly

8.6564, 0.3812, 0.2415

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1085, 0.4566, 0.2289 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(227, 0, 136)` looks like.

```
.text, #text, p{  
  color:rgb(227, 0, 136)  
}
```

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(227, 0, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 0, 136) }
```

Border

The CSS property to change the border of an element to Yxy 18.1085, 0.4566, 0.2289 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(227, 0, 136) }
```

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

```
.border{ border-color:rgb(227, 0, 136) }
```

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

Here you see how a box with a 4 pixel rgb(227, 0, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 0, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 0, 136);  
box-shadow:4px 4px 4px 4px rgb(227, 0,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 18.1085, 0.4566, 0.2289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 0, 136) }
```

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

```
.background{ background-color: rgb(227, 0,  
136) }
```

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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