

Converting Colors

$Yxy(18.6275, 0.4525, 0.2267)$

Have a look what the booklet for
Yxy(18.6275, 0.4525, 0.2267)
contains.

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Color

Yxy(18.5515, 0.4516, 0.2261)

Conversions

Conversions Part 1

Format	Color
Hex	E5008C
RGB	229, 0, 140
RGB Percent	90%, 0%, 55%
CMY	0.1019, 1.0000, 0.4509
CMYK	0.00, 1.00, 0.39, 0.10
HSL	323°, 100%, 45%
HSV	323°, 100%, 90%
XYZ	37.0538, 18.5515, 26.4447
YIQ	84.4310, 91.5440, 92.0880

Conversions

Conversions Part 2

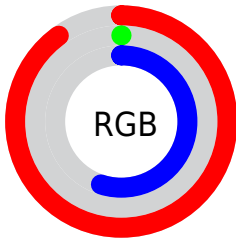
Format	Color
R_{YB}	229, 0, 140
Decimal	15007884
CIE _{Lab}	50.16, 80.09, -10.72
CIE _{LCh}	50, 80.808, 352.379
Yxy	18.5515, 0.4516, 0.2261
Android (android.graphics.Color)	4293197964 (0xFFE5008C)
YUV	84.4310, 27.3955, 126.7870
Hunter-Lab	43.0715, 78.1860, -6.2524

Details

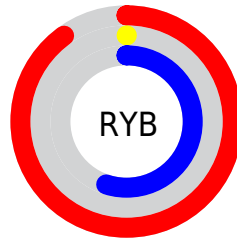
The Yxy color **18.5515, 0.4516, 0.2261** is a dark color, and the websafe version is hex **FF0099**. The color can be described as dark washed rose. A complement of this color would be **56.7743, 0.2829, 0.5384**, and the grayscale version is **8.8893, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.3395, 0.3852, 0.2332**, and **8.9537, 0.4780, 0.2407** is the 20% darker color. If you saturate the color by 10%, you get **18.5562, 0.4516, 0.2261**, and if you desaturate by 10%, it is **19.4385, 0.4342, 0.2218**.

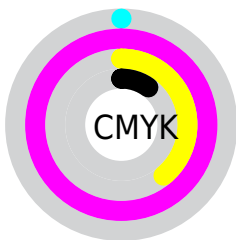
Distribution



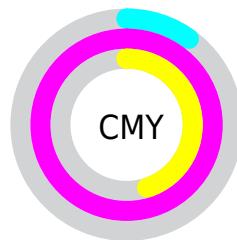
- Red (90%)
- Green (0%)
- Blue (55%)



- Red (90%)
- Yellow (0%)
- Blue (55%)



- Cyan (0%)
- Magenta (100%)
- Yellow (39%)
- Black (10%)





- Cyan (10%)
- Magenta (100%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.5515, 0.4516, 0.2261 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 18.5515, 0.4516, 0.2261 by changing the saturation by 10% instead.


 18.5515, 0.4516,
0.2261


 18.5515, 0.4516,
0.2261


243.9615, 0.3745,
0.2812


 11.3467, 0.4734,
0.2113


 40.9749, 0.4217,
0.2469


 6.3005, 0.5031,
0.1918


 56.9621, 0.4110,
0.2545


 3.0287, 0.5451,
0.1653

 76.6457, 0.4022,
0.2609

 1.1467, 0.6082,
0.1279

 100.4100, 0.3949,
0.2662

 0.0175, 0.7646,
0.0052

 128.6393, 0.3886,
0.2708

 0.0000, 1.0000,
0.0000

 161.7180, 0.3833,

 0.0000, 0.0000,

0.2747

0.0000

200.0306, 0.3786,
0.2782

■ 18.5515, 0.4516,
0.2261

■ 18.5515, 0.4516,
0.2261

■ 18.5562, 0.4516,
0.2261

■ 19.4385, 0.4342,
0.2218

■ 21.0634, 0.4163,
0.2223

■ 23.6623, 0.3985,
0.2278

■ 27.3688, 0.3814,
0.2377

■ 32.2955, 0.3658,
0.2508

■ 38.5410, 0.3517,
0.2658

■ 46.1939, 0.3395,
0.2818

■ 55.3347, 0.3290,
0.2980

■ 66.0382, 0.3202,
0.3139

Harmonies

Analogous

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



18.5515, 0.2935, 0.1682



18.5515, 0.4516, 0.2261



18.5515, 0.5729, 0.2999

Triad

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



18.5515, 0.4516, 0.2261



18.5515, 0.3925, 0.5817



18.5515, 0.0946, 0.1760

Complementary

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



18.5515, 0.4516, 0.2261



56.7743, 0.2829, 0.5384

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.



18.5515, 0.1058, 0.2769



18.5515, 0.4516, 0.2261



18.5515, 0.2700, 0.6089

Square

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



18.5515, 0.4516, 0.2261



18.5515, 0.5090, 0.4794



18.5515, 0.1634, 0.4622



18.5515, 0.1174, 0.1386

Rectangle

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



18.5515, 0.4516, 0.2261



18.5515, 0.5927, 0.3526



18.5515, 0.1634, 0.4622



18.5515, 0.0943, 0.2007

Sweetspot

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



18.5562, 0.4516, 0.2261



58.7510, 0.3397, 0.2816



7.7232, 0.1805, 0.0768



11.6434, 0.3447, 0.2747



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.



18.5562, 0.4516, 0.2261



23.6567, 0.4525, 0.2267



16.7401, 0.6278, 0.3232



14.5153, 0.3197, 0.3147



10.6311, 0.4490, 0.2247



0.8037, 0.4253, 0.2116

Inverse Universe

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



18.5562, 0.4516, 0.2261



23.6567, 0.4525, 0.2267



60.3317, 0.2351, 0.3663



14.5153, 0.3197, 0.3147



10.6311, 0.4490, 0.2247



0.8037, 0.4253, 0.2116

Previews

White Background



This preview shows how the Yxy color 18.5515, 0.4516, 0.2261 looks on a white background.

Color Contrast Check

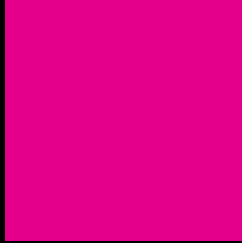
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 18.5515, 0.4516, 0.2261 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 18.5515, 0.4516, 0.2261

Background



This preview shows how black text looks on a background with the Yxy color 18.5515, 0.4516, 0.2261.



This preview shows how white text looks on a background with the Yxy color 18.5515, 0.4516, 0.2261.

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

18.5515, 0.4516, 0.2261

Protanopia

19.4854, 0.2147, 0.1977

Deuteranopia

19.2357, 0.3125, 0.3073



Tritanopia

18.8751, 0.5712, 0.3282

Trichromacy



Original Color

18.5515, 0.4516, 0.2261



Protanomaly

13.9125, 0.2688, 0.1750



Deuteranomaly

14.7527, 0.3643, 0.2406



Tritanomaly

18.0589, 0.5392, 0.2891

Monochromacy



Original Color

18.5515, 0.4516, 0.2261



Achromatopsia

8.8656, 0.3127, 0.3290



Achromatomaly

8.8640, 0.3806, 0.2395

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5515, 0.4516, 0.2261 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(229, 0, 140)` looks like.

```
.text, #text, p{  
    color:rgb(229, 0, 140)  
}
```

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(229, 0, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 0, 140) }
```

Border

The CSS property to change the border of an element to Yxy 18.5515, 0.4516, 0.2261 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(229, 0, 140) }
```

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

```
.border{ border-color:rgb(229, 0, 140) }
```

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

Here you see how a box with a 4 pixel rgb(229, 0, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 0, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 0, 140);  
box-shadow:4px 4px 4px 4px rgb(229, 0,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5515, 0.4516, 0.2261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 0, 140) }
```

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

```
.background{ background-color: rgb(229, 0,  
140) }
```

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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