

Converting Colors

$Yxy(18.3415, 0.4359, 0.2211)$

Have a look what the booklet for
Yxy(18.3415, 0.4359, 0.2211)
contains.

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Color

Yxy(18.2925, 0.4356, 0.2210)

Conversions

Conversions Part 1

Format	Color
Hex	E01191
RGB	224, 17, 145
RGB Percent	88%, 7%, 57%
CMY	0.1215, 0.9335, 0.4313
CMYK	0.00, 0.92, 0.35, 0.12
HSL	323°, 86%, 47%
HSV	323°, 92%, 88%
XYZ	36.0553, 18.2925, 28.4237
YIQ	93.4850, 82.2840, 83.6920

Conversions

Conversions Part 2

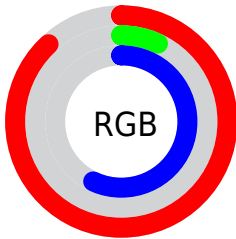
Format	Color
R_{YB}	224, 17, 145
Decimal	14684561
CIE _{Lab}	49.85, 78.12, -14.29
CIE _{LCh}	50, 79.413, 349.634
Yxy	18.2925, 0.4356, 0.2210
Android (android.graphics.Color)	4292874641 (0xFFE01191)
YUV	93.4850, 25.3969, 114.4617
Hunter-Lab	42.7697, 75.6300, -9.4639

Details

The Yxy color **18.2925, 0.4356, 0.2210** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle washed rose. A complement of this color would be **54.2802, 0.2808, 0.5255**, and the grayscale version is **10.9855, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.1189, 0.3786, 0.2310**, and **8.6128, 0.4595, 0.2305** is the 20% darker color. If you saturate the color by 10%, you get **17.6999, 0.4484, 0.2244**, and if you desaturate by 10%, it is **19.6424, 0.4183, 0.2204**.

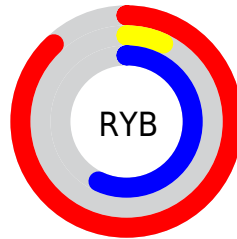
Distribution



Red (88%)

Green (7%)

Blue (57%)



Red (88%)

Yellow (7%)

Blue (57%)

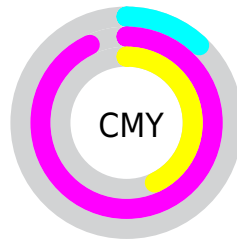


Cyan (0%)

Magenta (92%)

Yellow (35%)

Black (12%)



Cyan (12%)

Magenta (93%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.2925, 0.4356, 0.2210 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 18.2925, 0.4356, 0.2210 by changing the saturation by 10% instead.


 18.2925, 0.4356,
0.2210


 18.2925, 0.4356,
0.2210


242.5146, 0.3679,
0.2782

 11.1602, 0.4547,
0.2059


 40.5351, 0.4094,
0.2425


 6.1747, 0.4804,
0.1861


 56.4142, 0.4001,
0.2504


 2.9516, 0.5169,
0.1593


 75.9777, 0.3923,
0.2569

 1.1065, 0.5715,
0.1222

 99.6099, 0.3859,
0.2625

 0.0000, 0.7088,
0.0000

 127.6953, 0.3803,
0.2673

 0.0000, 1.0000,
0.0000

 160.6183, 0.3756,

 0.0000, 0.0000,

0.2714

0.0000

198.7633, 0.3715,
0.2750

■ 18.2925, 0.4356,
0.2210

■ 18.2925, 0.4356,
0.2210

■ 17.6999, 0.4484,
0.2244

■ 19.6424, 0.4183,
0.2204

■ 21.8809, 0.4008,
0.2250

■ 25.1420, 0.3840,
0.2341

■ 29.5364, 0.3683,
0.2466

■ 35.1601, 0.3542,
0.2614

■ 42.0990, 0.3418,
0.2774

■ 50.4311, 0.3311,
0.2938

■ 60.2284, 0.3220,
0.3099

■ 71.5578, 0.3144,
0.3254

Harmonies

Analogous

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



18.2925, 0.2811, 0.1656



18.2925, 0.4356, 0.2210



18.2925, 0.5631, 0.2937

Triad

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



18.2925, 0.4356, 0.2210



18.2925, 0.4040, 0.5716



18.2925, 0.0958, 0.1837

Complementary

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



18.2925, 0.4356, 0.2210



54.2802, 0.2808, 0.5255

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.



18.2925, 0.1107, 0.2915



18.2925, 0.4356, 0.2210



18.2925, 0.2821, 0.6093

Square

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



18.2925, 0.4356, 0.2210



18.2925, 0.5168, 0.4692



18.2925, 0.1732, 0.4787



18.2925, 0.1154, 0.1418

Rectangle

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



18.2925, 0.4356, 0.2210



18.2925, 0.5902, 0.3458



18.2925, 0.1732, 0.4787



18.2925, 0.0966, 0.2104

Sweetspot

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



18.2935, 0.4356, 0.2210



60.9630, 0.3371, 0.2843



8.1028, 0.1864, 0.0832



12.0613, 0.3419, 0.2772



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.



18.2935, 0.4356, 0.2210



23.7186, 0.4496, 0.2250



16.4349, 0.6064, 0.3173



13.8423, 0.3196, 0.3146



10.3245, 0.4460, 0.2230



0.7329, 0.4216, 0.2096

Inverse Universe

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



18.2935, 0.4356, 0.2210



23.7186, 0.4496, 0.2250



57.4405, 0.2366, 0.3683



13.8423, 0.3196, 0.3146



10.3245, 0.4460, 0.2230



0.7329, 0.4216, 0.2096

Previews

White Background



This preview shows how the Yxy color 18.2925, 0.4356, 0.2210 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 18.2925, 0.4356, 0.2210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

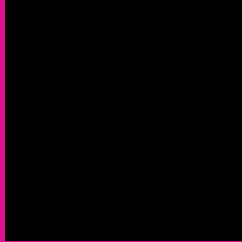
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.2925, 0.4356, 0.2210

Background



This preview shows how black text looks on a background with the Yxy color 18.2925, 0.4356, 0.2210.



This preview shows how white text looks on a background with the Yxy color 18.2925, 0.4356, 0.2210.

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

18.2925, 0.4356, 0.2210

Protanopia

18.9281, 0.2074, 0.1878

Deuteranopia

18.7569, 0.3007, 0.2961



Tritanopia

18.5249, 0.5600, 0.3281

Trichromacy



Original Color

18.2925, 0.4356, 0.2210



Protanomaly

14.3321, 0.2575, 0.1735



Deuteranomaly

15.2225, 0.3479, 0.2396



Tritanomaly

17.9462, 0.5227, 0.2873

Monochromacy



Original Color

18.2925, 0.4356, 0.2210



Achromatopsia

10.9462, 0.3127, 0.3290



Achromatomaly

10.6132, 0.3678, 0.2471

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2925, 0.4356, 0.2210 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, 17, 145)` looks like.

```
.text, #text, p{  
    color:rgb(224, 17, 145)  
}
```

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, 17, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 17, 145) }
```

Border

The CSS property to change the border of an element to Yxy 18.2925, 0.4356, 0.2210 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, 17, 145) }
```

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

```
.border{ border-color:rgb(224, 17, 145) }
```

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

Here you see how a box with a 4 pixel rgb(224, 17, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 17, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 17, 145);  
box-shadow:4px 4px 4px 4px rgb(224, 17,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 18.2925, 0.4356, 0.2210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 17, 145) }
```

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

```
.background{ background-color: rgb(224, 17,  
145) }
```

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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