

Converting Colors

$Y_{xy}(18.8529, 0.4324, 0.2222)$

Have a look what the booklet for
Yxy(18.8529, 0.4324, 0.2222)
contains.

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Color

Yxy(18.8529, 0.4324, 0.2222)

Conversions

Conversions Part 1

Format	Color
Hex	E11A93
RGB	225, 26, 147
RGB Percent	88%, 10%, 58%
CMY	0.1176, 0.8980, 0.4236
CMYK	0.00, 0.88, 0.35, 0.12
HSL	324°, 79%, 49%
HSV	324°, 88%, 88%
XYZ	36.6876, 18.8529, 29.3060
YIQ	99.2950, 79.7630, 79.8190

Conversions

Conversions Part 2

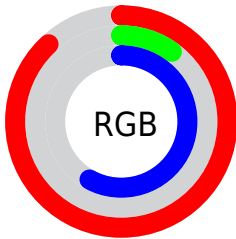
Format	Color
R_{YB}	225, 26, 147
Decimal	14752403
CIE _{Lab}	50.51, 77.35, -14.45
CIE _{LCh}	51, 78.689, 349.418
Yxy	18.8529, 0.4324, 0.2222
Android (android.graphics.Color)	4292942483 (0xFFE11A93)
YUV	99.2950, 23.5186, 110.2433
Hunter-Lab	43.4199, 74.8386, -9.6234

Details

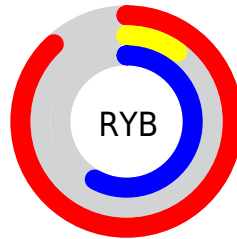
The Yxy color **18.8529, 0.4324, 0.2222** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **55.0724, 0.2788, 0.5143**, and the grayscale version is **12.4820, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.7844, 0.3757, 0.2316**, and **8.7370, 0.4585, 0.2300** is the 20% darker color. If you saturate the color by 10%, you get **17.9244, 0.4500, 0.2260**, and if you desaturate by 10%, it is **20.5584, 0.4143, 0.2235**.

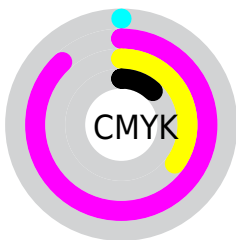
Distribution



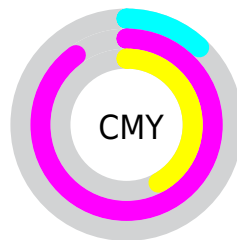
- Red (88%)
- Green (10%)
- Blue (58%)



- Red (88%)
- Yellow (10%)
- Blue (58%)



- Cyan (0%)
- Magenta (88%)
- Yellow (35%)
- Black (12%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8529, 0.4324, 0.2222 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 18.8529, 0.4324, 0.2222 by changing the saturation by 10% instead.


 18.8529, 0.4324,
0.2222


 18.8529, 0.4324,
0.2222


245.6355, 0.3667,
0.2786

 11.5640, 0.4508,
0.2074


 41.4854, 0.4071,
0.2433


 6.4476, 0.4755,
0.1880


 57.5978, 0.3980,
0.2511

 3.1191, 0.5105,
0.1619

 77.4202, 0.3905,
0.2575

 1.1942, 0.5627,
0.1256

 101.3369, 0.3842,
0.2630

 0.0570, 0.6874,
0.0157

 129.7324, 0.3789,
0.2677

 0.0000, 1.0000,
0.0000

 162.9911, 0.3742,

 0.0000, 0.0000,

0.2718

0.0000

201.4973, 0.3702,
0.2754

■ 18.8529, 0.4324,
0.2222

■ 18.8529, 0.4324,
0.2222

■ 17.9244, 0.4500,
0.2260

■ 20.5584, 0.4143,
0.2235

■ 17.8085, 0.4528,
0.2268

■ 23.2198, 0.3964,
0.2297

■ 26.9624, 0.3794,
0.2401

■ 31.8913, 0.3638,
0.2535

■ 38.0993, 0.3500,
0.2687

■ 45.6698, 0.3379,
0.2847

■ 54.6791, 0.3276,
0.3007

■ 65.1978, 0.3189,
0.3164

■ 77.2919, 0.3117,
0.3313

Harmonies

Analogous

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



18.8529, 0.2809, 0.1675



18.8529, 0.4324, 0.2222



18.8529, 0.5582, 0.2944

Triad

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



18.8529, 0.4324, 0.2222



18.8529, 0.4050, 0.5678



18.8529, 0.0983, 0.1866

Complementary

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



18.8529, 0.4324, 0.2222



55.0724, 0.2788, 0.5143

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.



18.8529, 0.1137, 0.2938



18.8529, 0.4324, 0.2222



18.8529, 0.2846, 0.6038

Square

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



18.8529, 0.4324, 0.2222



18.8529, 0.5153, 0.4678



18.8529, 0.1765, 0.4769



18.8529, 0.1175, 0.1444

Rectangle

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



18.8529, 0.4324, 0.2222



18.8529, 0.5860, 0.3463



18.8529, 0.1765, 0.4769



18.8529, 0.0992, 0.2133

Sweetspot

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



18.8540, 0.4324, 0.2222



62.0430, 0.3365, 0.2867



9.0178, 0.1939, 0.0898



12.4773, 0.3404, 0.2811



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.



18.8540, 0.4324, 0.2222



23.6276, 0.4540, 0.2274



16.9713, 0.5981, 0.3174



13.8398, 0.3197, 0.3148



10.2852, 0.4502, 0.2254



0.7304, 0.4249, 0.2115

Inverse Universe

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



18.8540, 0.4324, 0.2222



23.6276, 0.4540, 0.2274



58.3267, 0.2355, 0.3616



13.8398, 0.3197, 0.3148



10.2852, 0.4502, 0.2254



0.7304, 0.4249, 0.2115

Previews

White Background



This preview shows how the Yxy color 18.8529, 0.4324, 0.2222 looks on a white background.

Color Contrast Check

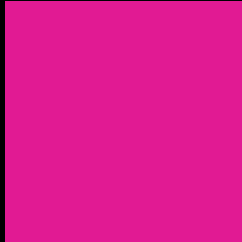
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8529, 0.4324, 0.2222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

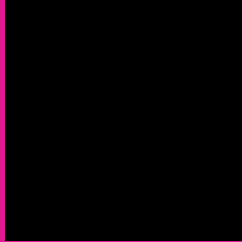
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.8529, 0.4324, 0.2222

Background



This preview shows how black text looks on a background with the Yxy color 18.8529, 0.4324, 0.2222.



This preview shows how white text looks on a background with the Yxy color 18.8529, 0.4324, 0.2222.

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

18.8529, 0.4324, 0.2222

Protanopia

19.2521, 0.2089, 0.1898

Deuteranopia

19.1230, 0.2997, 0.2946



Tritanopia

19.0311, 0.5543, 0.3280

Trichromacy



Original Color

18.8529, 0.4324, 0.2222



Protanomaly

15.1507, 0.2594, 0.1786



Deuteranomaly

15.9972, 0.3456, 0.2430



Tritanomaly

18.5344, 0.5179, 0.2887

Monochromacy



Original Color

18.8529, 0.4324, 0.2222



Achromatopsia

12.4772, 0.3127, 0.3290



Achromatomaly

11.9154, 0.3650, 0.2536

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8529, 0.4324, 0.2222 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(225, 26, 147)` looks like.

```
.text, #text, p{  
    color:rgb(225, 26, 147)  
}
```

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(225, 26, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 26, 147) }
```

Border

The CSS property to change the border of an element to Yxy 18.8529, 0.4324, 0.2222 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(225, 26, 147) }
```

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

```
.border{ border-color:rgb(225, 26, 147) }
```

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

Here you see how a box with a 4 pixel rgb(225, 26, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 26, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 26, 147);  
box-shadow:4px 4px 4px 4px rgb(225, 26,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8529, 0.4324, 0.2222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 26, 147) }
```

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

```
.background{ background-color: rgb(225, 26,  
147) }
```

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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