

Converting Colors

$Y_{xy}(17.8664, 0.4402, 0.2237)$

Have a look what the booklet for
Yxy(17.8664, 0.4402, 0.2237)
contains.

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Color

Yxy(17.8536, 0.4404, 0.2238)

Conversions

Conversions Part 1

Format	Color
Hex	DE118D
RGB	222, 17, 141
RGB Percent	87%, 7%, 55%
CMY	0.1294, 0.9333, 0.4471
CMYK	0.00, 0.92, 0.36, 0.13
HSL	324°, 86%, 47%
HSV	324°, 92%, 87%
XYZ	35.1328, 17.8536, 26.7884
YIQ	92.4310, 82.3760, 82.0240

Conversions

Conversions Part 2

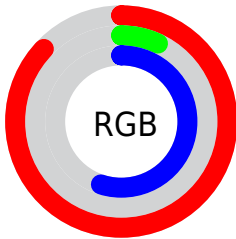
Format	Color
R_{YB}	222, 17, 141
Decimal	14553485
CIE _{Lab}	49.32, 77.29, -12.70
CIE _{LCh}	49, 78.329, 350.666
Yxy	17.8536, 0.4404, 0.2238
Android (android.graphics.Color)	4292743565 (0xFFDE118D)
YUV	92.4310, 23.9445, 113.6320
Hunter-Lab	42.2535, 74.4749, -8.0119

Details

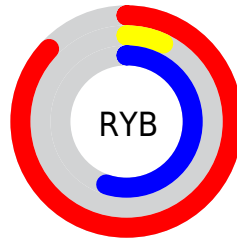
The Yxy color **17.8536, 0.4404, 0.2238** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **53.2474, 0.2796, 0.5213**, and the grayscale version is **10.7389, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.7495, 0.3836, 0.2338**, and **8.3324, 0.4666, 0.2344** is the 20% darker color. If you saturate the color by 10%, you get **17.2590, 0.4540, 0.2275**, and if you desaturate by 10%, it is **19.1902, 0.4222, 0.2229**.

Distribution



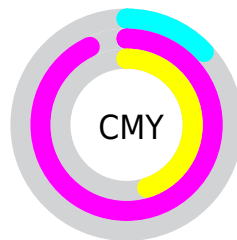
- Red (87%)
- Green (7%)
- Blue (55%)



- Red (87%)
- Yellow (7%)
- Blue (55%)



- Cyan (0%)
- Magenta (92%)
- Yellow (36%)
- Black (13%)




- Cyan (13%)
- Magenta (93%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.8536, 0.4404, 0.2238 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 17.8536, 0.4404, 0.2238 by changing the saturation by 10% instead.


 17.8536, 0.4404,
0.2238


 17.8536, 0.4404,
0.2238


240.0446, 0.3695,
0.2801


 10.8449, 0.4606,
0.2087


 39.7877, 0.4128,
0.2451


 5.9627, 0.4880,
0.1889


 55.4819, 0.4030,
0.2528


 2.8224, 0.5271,
0.1618

 74.8401, 0.3949,
0.2593

 1.0397, 0.5863,
0.1237

 98.2467, 0.3882,
0.2647

 0.0000, 0.7353,
0.0000

 126.0860, 0.3824,
0.2694

 0.0000, 1.0000,
0.0000

 158.7425, 0.3775,

 0.0000, 0.0000,

0.2734

0.0000

196.6006, 0.3732,
0.2770

■ 17.8536, 0.4404,
0.2238

■ 17.8536, 0.4404,
0.2238

■ 17.2590, 0.4540,
0.2275

■ 19.1902, 0.4222,
0.2229

■ 21.4000, 0.4040,
0.2273

■ 24.6137, 0.3864,
0.2362

■ 28.9394, 0.3701,
0.2485

■ 34.4710, 0.3554,
0.2630

■ 41.2924, 0.3426,
0.2787

■ 49.4799, 0.3316,
0.2947

■ 59.1039, 0.3222,
0.3105

■ 70.2299, 0.3144,
0.3256

Harmonies

Analogous

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



17.8536, 0.2860, 0.1677



17.8536, 0.4404, 0.2238



17.8536, 0.5645, 0.2967

Triad

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



17.8536, 0.4404, 0.2238



17.8536, 0.3999, 0.5737



17.8536, 0.0967, 0.1821

Complementary

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



17.8536, 0.4404, 0.2238



53.2474, 0.2796, 0.5213

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.



17.8536, 0.1103, 0.2867



17.8536, 0.4404, 0.2238



17.8536, 0.2785, 0.6061

Square

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



17.8536, 0.4404, 0.2238



17.8536, 0.5129, 0.4727



17.8536, 0.1709, 0.4710



17.8536, 0.1174, 0.1419

Rectangle

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



17.8536, 0.4404, 0.2238



17.8536, 0.5890, 0.3489



17.8536, 0.1709, 0.4710



17.8536, 0.0971, 0.2080

Sweetspot

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



17.8546, 0.4404, 0.2238



60.9089, 0.3378, 0.2853



8.1406, 0.1892, 0.0848



12.0483, 0.3429, 0.2783



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.



17.8546, 0.4404, 0.2238



23.6002, 0.4553, 0.2282



16.0915, 0.6097, 0.3193



13.8391, 0.3198, 0.3149



10.2734, 0.4515, 0.2261



0.7296, 0.4260, 0.2120

Inverse Universe

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



17.8546, 0.4404, 0.2238



23.6002, 0.4553, 0.2282



56.4462, 0.2352, 0.3631



13.8391, 0.3198, 0.3149



10.2734, 0.4515, 0.2261



0.7296, 0.4260, 0.2120

Previews

White Background



This preview shows how the Yxy color 17.8536, 0.4404, 0.2238 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 17.8536, 0.4404, 0.2238 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 17.8536, 0.4404, 0.2238

Background



This preview shows how black text looks on a background with the Yxy color 17.8536, 0.4404, 0.2238.



This preview shows how white text looks on a background with the Yxy color 17.8536, 0.4404, 0.2238.

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

17.8536, 0.4404, 0.2238

Protanopia

18.4999, 0.2111, 0.1929

Deuteranopia

18.1852, 0.3053, 0.2994



Tritanopia

17.9937, 0.5628, 0.3281

Trichromacy



Original Color

17.8536, 0.4404, 0.2238



Protanomaly

14.0603, 0.2632, 0.1776



Deuteranomaly

14.8148, 0.3545, 0.2424



Tritanomaly

17.4373, 0.5271, 0.2886

Monochromacy



Original Color

17.8536, 0.4404, 0.2238



Achromatopsia

10.7023, 0.3127, 0.3290



Achromatomaly

10.3953, 0.3682, 0.2493

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8536, 0.4404, 0.2238 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(222, 17, 141)` looks like.

```
.text, #text, p{  
    color:rgb(222, 17, 141)  
}
```

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(222, 17, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 17, 141) }
```

Border

The CSS property to change the border of an element to Yxy 17.8536, 0.4404, 0.2238 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(222, 17, 141) }
```

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

```
.border{ border-color:rgb(222, 17, 141) }
```

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

Here you see how a box with a 4 pixel rgb(222, 17, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 17, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 17, 141);  
box-shadow:4px 4px 4px 4px rgb(222, 17,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 17.8536, 0.4404, 0.2238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 17, 141) }
```

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

```
.background{ background-color: rgb(222, 17,  
141) }
```

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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