

Converting Colors

$Yxy(16.7945, 0.4429, 0.2205)$

Have a look what the booklet for
Yxy(16.7945, 0.4429, 0.2205)
contains.

Yxy(16.8950, 0.4435, 0.2217)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(16.8950, 0.4435, 0.2217)

Conversions

Conversions Part 1

Format	Color
Hex	DB008A
RGB	219, 0, 138
RGB Percent	86%, 0%, 54%
CMY	0.1412, 0.9995, 0.4589
CMYK	0.00, 1.00, 0.37, 0.14
HSL	322°, 100%, 43%
HSV	322°, 100%, 86%
XYZ	33.7976, 16.8950, 25.5140
YIQ	81.2130, 86.2260, 89.3460

Conversions

Conversions Part 2

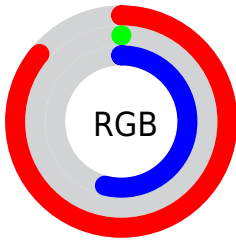
Format	Color
RYB	219, 0, 138
Decimal	14352522
CIELab	48.13, 77.82, -12.74
CIELCh	48, 78.854, 350.704
Yxy	16.8950, 0.4435, 0.2217
Android (android.graphics.Color)	4292542602 (0xFFDB008A)
YUV	81.2130, 27.9960, 120.8392
Hunter-Lab	41.1035, 74.8415, -8.0303

Details

The Yxy color **16.8950, 0.4435, 0.2217** 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 **51.2565, 0.2842, 0.5431**, and the grayscale version is **8.2182, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6759, 0.3894, 0.2336**, and **7.9737, 0.4697, 0.2361** is the 20% darker color. If you saturate the color by 10%, you get **16.8917, 0.4436, 0.2217**, and if you desaturate by 10%, it is **17.7117, 0.4271, 0.2181**.

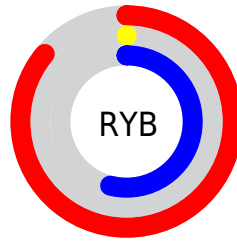
Distribution



Red (86%)

Green (0%)

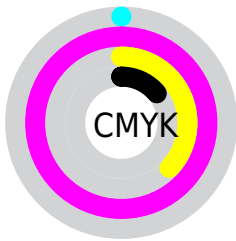
Blue (54%)



Red (86%)

Yellow (0%)

Blue (54%)

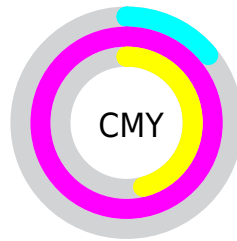


Cyan (0%)

Magenta (100%)

Yellow (37%)

Black (14%)



Cyan (14%)


Magenta (100%)

Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8950, 0.4435, 0.2217 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 16.8950, 0.4435, 0.2217 by changing the saturation by 10% instead.


 16.8950, 0.4435,
0.2217


 16.8950, 0.4435,
0.2217


234.5666, 0.3703,
0.2795


 10.1597, 0.4645,
0.2061


 38.1452, 0.4149,
0.2436


 5.5049, 0.4932,
0.1855


 53.4288, 0.4048,
0.2516

 2.5465, 0.5344,
0.1573

 72.3306, 0.3965,
0.2582

 0.8998, 0.5971,
0.1176

 95.2350, 0.3895,
0.2638

 0.0000, 0.7533,
0.0000

 122.5264, 0.3836,
0.2686

 0.0000, 1.0000,
0.0000

 154.5892, 0.3786,

 0.0000, 0.0000,

0.2727

0.0000

191.8078, 0.3742,
0.2763

■ 16.8950, 0.4435,
0.2217

■ 16.8950, 0.4435,
0.2217

■ 16.8917, 0.4436,
0.2217

■ 17.7117, 0.4271,
0.2181

■ 19.1943, 0.4104,
0.2191

■ 21.5544, 0.3937,
0.2251

■ 24.9112, 0.3778,
0.2354

■ 29.3652, 0.3630,
0.2489

■ 35.0045, 0.3498,
0.2643

■ 41.9084, 0.3382,
0.2807

■ 50.1490, 0.3282,
0.2973

■ 59.7930, 0.3198,
0.3136

Harmonies

Analogous

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



16.8950, 0.2853, 0.1650



16.8950, 0.4435, 0.2217



16.8950, 0.5704, 0.2952

Triad

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



16.8950, 0.4435, 0.2217



16.8950, 0.3996, 0.5784



16.8950, 0.0935, 0.1788

Complementary

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



16.8950, 0.4435, 0.2217



51.2565, 0.2842, 0.5431

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.



16.8950, 0.1066, 0.2847



16.8950, 0.4435, 0.2217



16.8950, 0.2760, 0.6138

Square

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



16.8950, 0.4435, 0.2217



16.8950, 0.5158, 0.4741



16.8950, 0.1673, 0.4747



16.8950, 0.1144, 0.1387

Rectangle

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



16.8950, 0.4435, 0.2217



16.8950, 0.5945, 0.3476



16.8950, 0.1673, 0.4747



16.8950, 0.0937, 0.2048

Sweetspot

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



16.8960, 0.4435, 0.2217



58.8286, 0.3385, 0.2802



6.8390, 0.1783, 0.0756



11.6618, 0.3433, 0.2731



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.



16.8960, 0.4435, 0.2217



23.8192, 0.4449, 0.2224



15.1520, 0.6244, 0.3214



13.1888, 0.3194, 0.3144



10.0386, 0.4413, 0.2204



0.6668, 0.4165, 0.2068

Inverse Universe

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



16.8960, 0.4435, 0.2217



23.8192, 0.4449, 0.2224



54.3696, 0.2366, 0.3718



13.1888, 0.3194, 0.3144



10.0386, 0.4413, 0.2204



0.6668, 0.4165, 0.2068

Previews

White Background



This preview shows how the Yxy color 16.8950, 0.4435, 0.2217 looks on a white background.

Color Contrast Check

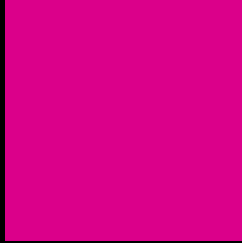
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8950, 0.4435, 0.2217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

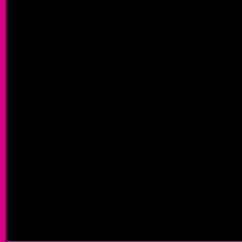
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8950, 0.4435, 0.2217

Background



This preview shows how black text looks on a background with the Yxy color 16.8950, 0.4435, 0.2217.



This preview shows how white text looks on a background with the Yxy color 16.8950, 0.4435, 0.2217.

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

16.8950, 0.4435, 0.2217

Protanopia

17.8173, 0.2095, 0.1912

Deuteranopia

17.5063, 0.3063, 0.3008



Tritanopia

17.3140, 0.5664, 0.3289

Trichromacy



Original Color

16.8950, 0.4435, 0.2217



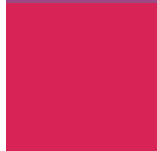
Protanomaly

12.7250, 0.2617, 0.1701



Deuteranomaly

13.4688, 0.3563, 0.2354



Tritanomaly

16.4729, 0.5327, 0.2868

Monochromacy



Original Color

16.8950, 0.4435, 0.2217



Achromatopsia

8.2283, 0.3127, 0.3290



Achromatomaly

8.2406, 0.3742, 0.2375

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8950, 0.4435, 0.2217 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(219, 0, 138)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 138)  
}
```

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(219, 0, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 138) }
```

Border

The CSS property to change the border of an element to Yxy 16.8950, 0.4435, 0.2217 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(219, 0, 138) }
```

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

```
.border{ border-color:rgb(219, 0, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 0, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 138);  
box-shadow:4px 4px 4px 4px rgb(219, 0,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8950, 0.4435, 0.2217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 0, 138) }
```

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

```
.background{ background-color: rgb(219, 0,  
138) }
```

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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