

Converting Colors

$Y_{xy}(16.8027, 0.4431, 0.2194)$

Have a look what the booklet for
Yxy(16.8027, 0.4431, 0.2194)
contains.

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Color

Yxy(17.0797, 0.4428, 0.2213)

Conversions

Conversions Part 1

Format	Color
Hex	DC008B
RGB	220, 0, 139
RGB Percent	86%, 0%, 55%
CMY	0.1373, 0.9997, 0.4549
CMYK	0.00, 1.00, 0.37, 0.14
HSL	322°, 100%, 43%
HSV	322°, 100%, 86%
XYZ	34.1748, 17.0797, 25.9244
YIQ	81.6260, 86.5010, 89.8690

Conversions

Conversions Part 2

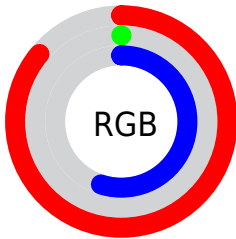
Format	Color
R_{YB}	220, 0, 139
Decimal	14418059
CIE _{Lab}	48.36, 78.13, -12.99
CIE _{LCh}	48, 79.201, 350.558
Yxy	17.0797, 0.4428, 0.2213
Android (android.graphics.Color)	4292608139 (0xFFDC008B)
YUV	81.6260, 28.2854, 121.3540
Hunter-Lab	41.3276, 75.2829, -8.2627

Details

The Yxy color **17.0797, 0.4428, 0.2213** 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 **51.7794, 0.2844, 0.5438**, and the grayscale version is **8.2965, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.9390, 0.3868, 0.2326**, and **8.0922, 0.4686, 0.2355** is the 20% darker color. If you saturate the color by 10%, you get **17.0786, 0.4428, 0.2213**, and if you desaturate by 10%, it is **17.9012, 0.4266, 0.2177**.

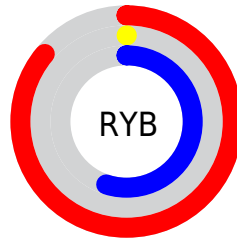
Distribution



Red (86%)

Green (0%)

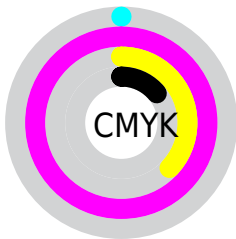
Blue (55%)



Red (86%)

Yellow (0%)

Blue (55%)

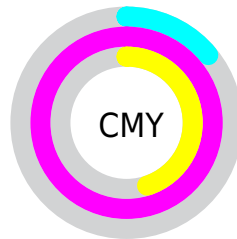


Cyan (0%)

Magenta (100%)

Yellow (37%)

Black (14%)



Cyan (14%)


Magenta (100%)

Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.0797, 0.4428, 0.2213 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 17.0797, 0.4428, 0.2213 by changing the saturation by 10% instead.

 17.0797, 0.4428,
0.2213


 17.0797, 0.4428,
0.2213


235.6312, 0.3702,
0.2791


 10.2913, 0.4636,
0.2057


 38.4628, 0.4145,
0.2432


 5.5925, 0.4920,
0.1852


 53.8262, 0.4044,
0.2512

 2.5989, 0.5325,
0.1572

 72.8169, 0.3962,
0.2578

 0.9261, 0.5942,
0.1178

 95.8191, 0.3893,
0.2634

 0.0000, 0.7460,
0.0000

 123.2172, 0.3834,
0.2682

 0.0000, 1.0000,
0.0000

 155.3957, 0.3784,

 0.0000, 0.0000,

0.2723

0.0000

192.7389, 0.3740,
0.2760

■ 17.0797, 0.4428,
0.2213

■ 17.0797, 0.4428,
0.2213

■ 17.0786, 0.4428,
0.2213

■ 17.9012, 0.4266,
0.2177

■ 19.3947, 0.4099,
0.2187

■ 21.7743, 0.3934,
0.2248

■ 25.1608, 0.3775,
0.2351

■ 29.6558, 0.3628,
0.2486

■ 35.3486, 0.3497,
0.2640

■ 42.3191, 0.3381,
0.2805

■ 50.6405, 0.3282,
0.2972

■ 60.3803, 0.3198,
0.3135

Harmonies

Analogous

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



17.0797, 0.2846, 0.1647



17.0797, 0.4428, 0.2213



17.0797, 0.5702, 0.2947

Triad

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



17.0797, 0.4428, 0.2213



17.0797, 0.4002, 0.5780



17.0797, 0.0934, 0.1790

Complementary

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



17.0797, 0.4428, 0.2213



51.7794, 0.2844, 0.5438

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.



17.0797, 0.1067, 0.2854



17.0797, 0.4428, 0.2213



17.0797, 0.2765, 0.6143

Square

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



17.0797, 0.4428, 0.2213



17.0797, 0.5163, 0.4735



17.0797, 0.1677, 0.4758



17.0797, 0.1141, 0.1387

Rectangle

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



17.0797, 0.4428, 0.2213



17.0797, 0.5946, 0.3472



17.0797, 0.1677, 0.4758



17.0797, 0.0937, 0.2052

Sweetspot

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



17.0807, 0.4428, 0.2213



58.8368, 0.3384, 0.2800



6.9049, 0.1782, 0.0756



11.6638, 0.3431, 0.2730



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.



17.0807, 0.4428, 0.2213



23.8367, 0.4441, 0.2220



15.3070, 0.6245, 0.3214



13.1893, 0.3194, 0.3143



10.0458, 0.4405, 0.2200



0.6672, 0.4159, 0.2065

Inverse Universe

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



17.0807, 0.4428, 0.2213



23.8367, 0.4441, 0.2220



54.9317, 0.2366, 0.3718



13.1893, 0.3194, 0.3143



10.0458, 0.4405, 0.2200



0.6672, 0.4159, 0.2065

Previews

White Background



This preview shows how the Yxy color 17.0797, 0.4428, 0.2213 looks on a white background.

Color Contrast Check

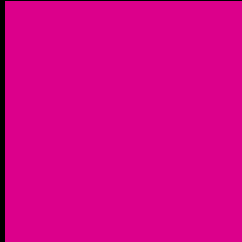
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.0797, 0.4428, 0.2213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

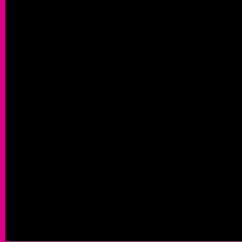
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.0797, 0.4428, 0.2213

Background



This preview shows how black text looks on a background with the Yxy color 17.0797, 0.4428, 0.2213.



This preview shows how white text looks on a background with the Yxy color 17.0797, 0.4428, 0.2213.

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

17.0797, 0.4428, 0.2213

Protanopia

17.8636, 0.2090, 0.1902

Deuteranopia

17.7572, 0.3051, 0.3009



Tritanopia

17.4749, 0.5657, 0.3281

Trichromacy



Original Color

17.0797, 0.4428, 0.2213



Protanomaly

12.7647, 0.2608, 0.1691



Deuteranomaly

13.7276, 0.3560, 0.2359



Tritanomaly

16.6419, 0.5318, 0.2861

Monochromacy



Original Color

17.0797, 0.4428, 0.2213



Achromatopsia

8.4376, 0.3127, 0.3290



Achromatomaly

8.3408, 0.3739, 0.2364

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.0797, 0.4428, 0.2213 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(220, 0, 139)` looks like.

```
.text, #text, p{  
    color:rgb(220, 0, 139)  
}
```

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(220, 0, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 0, 139) }
```

Border

The CSS property to change the border of an element to Yxy 17.0797, 0.4428, 0.2213 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(220, 0, 139) }
```

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

```
.border{ border-color:rgb(220, 0, 139) }
```

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

Here you see how a box with a 4 pixel rgb(220, 0, 139) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 0, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 0, 139);  
box-shadow:4px 4px 4px 4px rgb(220, 0,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 17.0797, 0.4428, 0.2213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 0, 139) }
```

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

```
.background{ background-color: rgb(220, 0,  
139) }
```

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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