

Converting Colors

$Y_{xy}(22.1833, 0.3666, 0.2017)$

Have a look what the booklet for
Yxy(22.1833, 0.3666, 0.2017)
contains.

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Color

Yxy(22.2220, 0.3668, 0.2018)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | DE3CB8 |
| RGB | 222, 60, 184 |
| RGB Percent | 87%, 24%, 72% |
| CMY | 0.1294, 0.7647, 0.2784 |
| CMYK | 0.00, 0.73, 0.17, 0.13 |
| HSL | 314°, 71%, 55% |
| HSV | 314°, 73%, 87% |
| XYZ | 40.3916, 22.2220, 47.5053 |
| YIQ | 122.5740, 56.7480, 72.9080 |

Conversions

Conversions Part 2

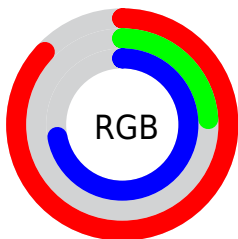
| Format | Color |
|-------------------------------------|--|
| RYB | 222, 60, 184 |
| Decimal | 14564536 |
| CIELab | 54.26, 73.06, -30.55 |
| CIElCh | 54, 79.191, 337.309 |
| Yxy | 22.2220, 0.3668, 0.2018 |
| Android (android.graphics.Color) | 4292754616 (0xFFDE3CB8) |
| YUV | 122.5740, 30.2830, 87.1966 |
| Hunter-Lab | 47.1402, 70.4506, -26.7510 |

Details

The Yxy color **22.2220, 0.3668, 0.2018** is a light color, and the websafe version is hex **CC0099**. The color can be described as light muted rose. A complement of this color would be **54.0865, 0.2884, 0.5167**, and the grayscale version is **19.5463, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4703, 0.3321, 0.2155**, and **9.4252, 0.3772, 0.1851** is the 20% darker color. If you saturate the color by 10%, you get **20.1500, 0.3763, 0.1948**, and if you desaturate by 10%, it is **25.2792, 0.3574, 0.2132**.

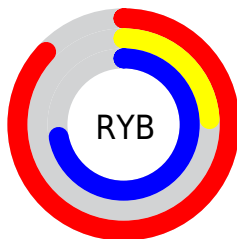
Distribution



Red (87%)

Green (24%)

Blue (72%)



Red (87%)

Yellow (24%)

Blue (72%)

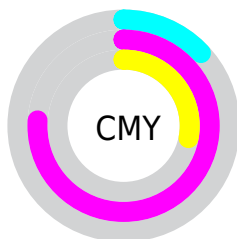


Cyan (0%)

Magenta (73%)

Yellow (17%)

Black (13%)



Cyan (13%)


Magenta (76%)


Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2220, 0.3668, 0.2018 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 22.2220, 0.3668, 0.2018 by changing the saturation by 10% instead.

 22.2220, 0.3668,
0.2018


 22.2220, 0.3668,
0.2018


263.7034, 0.3403,
0.2648


 14.0201, 0.3731,
0.1866


 47.1126, 0.3574,
0.2244


 8.1347, 0.3809,
0.1676

 64.5702, 0.3538,
0.2330

 4.1812, 0.3908,
0.1433


 85.8817, 0.3507,
0.2403

 1.7755, 0.4033,
0.1117

 111.4317, 0.3480,
0.2465

 0.4718, 0.4222,
0.0635

 141.6044, 0.3457,
0.2520

 0.0000, 0.4454,
0.0000

176.7844, 0.3437,

 0.0000, 0.3482,

0.2568

0.0000

217.3559, 0.3419,
0.2610

■ 0.0000, 0.0000,
0.0000

■ 22.2220, 0.3668,
0.2018

■ 22.2220, 0.3668,
0.2018

■ 20.1500, 0.3763,
0.1948

■ 25.2792, 0.3574,
0.2132

■ 18.9286, 0.3855,
0.1925


■ 29.4269, 0.3483,
0.2283


■ 18.4290, 0.3918,
0.1932


■ 34.7606, 0.3398,
0.2458


■ 41.3644, 0.3321,
0.2650

■ 49.3147, 0.3252,
0.2847

 58.6820, 0.3192,
0.3044

 69.5318, 0.3141,
0.3235

 81.9253, 0.3097,
0.3416

 92.8122, 0.3061,
0.3539

Harmonies

Analogous

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



22.2220, 0.2345, 0.1587



22.2220, 0.3668, 0.2018



22.2220, 0.5079, 0.2676

Triad

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



22.2220, 0.3668, 0.2018



22.2220, 0.4505, 0.5246



22.2220, 0.1065, 0.2254

Complementary

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



22.2220, 0.3668, 0.2018



54.0865, 0.2884, 0.5167

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.



22.2220, 0.1394, 0.3610



22.2220, 0.3668, 0.2018



22.2220, 0.3358, 0.5928

Square

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



22.2220, 0.3668, 0.2018



22.2220, 0.5428, 0.4281



22.2220, 0.2220, 0.5346



22.2220, 0.1119, 0.1619

Rectangle

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



22.2220, 0.3668, 0.2018



22.2220, 0.5643, 0.3172



22.2220, 0.2220, 0.5346



22.2220, 0.1125, 0.2617

Sweetspot

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



22.2231, 0.3668, 0.2018



68.4619, 0.3247, 0.2863



11.0928, 0.1960, 0.1097



13.9677, 0.3265, 0.2809



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.



22.2231, 0.3668, 0.2018



26.5002, 0.3816, 0.1929



19.7460, 0.4968, 0.2868



13.8777, 0.3173, 0.3112



10.9643, 0.3906, 0.1925



0.7735, 0.3776, 0.1854

Inverse Universe

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



22.2231, 0.3668, 0.2018



26.5002, 0.3816, 0.1929



56.4511, 0.2506, 0.3918



13.8777, 0.3173, 0.3112



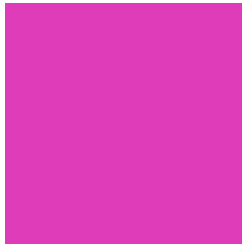
10.9643, 0.3906, 0.1925



0.7735, 0.3776, 0.1854

Previews

White Background



This preview shows how the Yxy color 22.2220, 0.3668, 0.2018 looks on a white background.

Color Contrast Check

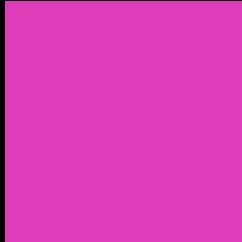
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2220, 0.3668, 0.2018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

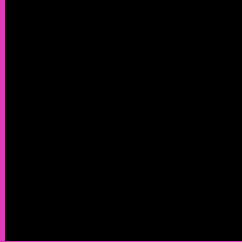
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.2220, 0.3668, 0.2018

Background



This preview shows how black text looks on a background with the Yxy color 22.2220, 0.3668, 0.2018.



This preview shows how white text looks on a background with the Yxy color 22.2220, 0.3668, 0.2018.

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

22.2220, 0.3668, 0.2018

Protanopia

22.8666, 0.1946, 0.1712

Deuteranopia

22.3459, 0.2585, 0.2530



Tritanopia

22.2491, 0.4851, 0.3239

Trichromacy



Original Color

22.2220, 0.3668, 0.2018



Protanomaly

19.4042, 0.2302, 0.1683



Deuteranomaly

19.9828, 0.2918, 0.2192



Tritanomaly

21.7328, 0.4434, 0.2740

Monochromacy



Original Color

22.2220, 0.3668, 0.2018



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

18.5296, 0.3347, 0.2588

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2220, 0.3668, 0.2018 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, 60, 184)` looks like.

```
.text, #text, p{  
    color:rgb(222, 60, 184)  
}
```

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, 60, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 60, 184) }
```

Border

The CSS property to change the border of an element to Yxy 22.2220, 0.3668, 0.2018 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, 60, 184) }
```

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

```
.border{ border-color:rgb(222, 60, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 60, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(222, 60, 184); -webkit-box-shadow:4px 4px 4px 4px rgb(222, 60, 184); box-shadow:4px 4px 4px 4px rgb(222, 60, 184) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2220, 0.3668, 0.2018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 60, 184) }
```

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

```
.background{ background-color: rgb(222, 60,  
184) }
```

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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