

Converting Colors

$Y_{xy}(22.5653, 0.3601, 0.2002)$

Have a look what the booklet for
Yxy(22.5653, 0.3601, 0.2002)
contains.

Yxy(22.6698, 0.3598, 0.2003)	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(22.6698, 0.3598, 0.2003)

Conversions

Conversions Part 1

Format	Color
Hex	DD40BC
RGB	221, 64, 188
RGB Percent	87%, 25%, 74%
CMY	0.1334, 0.7488, 0.2629
CMYK	0.00, 0.71, 0.15, 0.13
HSL	313°, 70%, 56%
HSV	313°, 71%, 87%
XYZ	40.7219, 22.6698, 49.7875
YIQ	125.0790, 53.7680, 71.8480

Conversions

Conversions Part 2

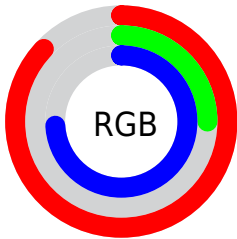
Format	Color
R_{YB}	221, 64, 188
Decimal	14500028
CIE _{Lab}	54.73, 72.06, -32.13
CIE _{LCh}	55, 78.901, 335.968
Yxy	22.6698, 0.3598, 0.2003
Android (android.graphics.Color)	4292690108 (0xFFDD40BC)
YUV	125.0790, 31.0201, 84.1227
Hunter-Lab	47.6128, 69.3436, -28.6691

Details

The Yxy color **22.6698, 0.3598, 0.2003** 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 **53.6586, 0.2900, 0.5165**, and the grayscale version is **20.4229, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.5198, 0.3273, 0.2139**, and **9.4026, 0.3696, 0.1809** is the 20% darker color. If you saturate the color by 10%, you get **20.4538, 0.3682, 0.1920**, and if you desaturate by 10%, it is **25.8814, 0.3515, 0.2129**.

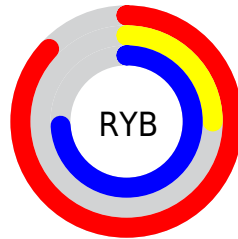
Distribution



Red (87%)

Green (25%)

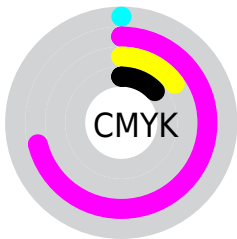
Blue (74%)



Red (87%)

Yellow (25%)

Blue (74%)

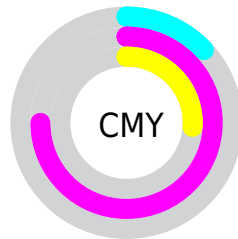


Cyan (0%)

Magenta (71%)

Yellow (15%)

Black (13%)



Cyan (13%)


Magenta (75%)


Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.6698, 0.3598, 0.2003 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 22.6698, 0.3598, 0.2003 by changing the saturation by 10% instead.


 22.6698, 0.3598,
0.2003


 22.6698, 0.3598,
0.2003


266.0245, 0.3373,
0.2637


 14.3499, 0.3650,
0.1851


 47.8506, 0.3519,
0.2229


 8.3644, 0.3712,
0.1662


 65.4802, 0.3489,
0.2316


 4.3290, 0.3789,
0.1421


 86.9819, 0.3462,
0.2389

 1.8593, 0.3882,
0.1110

 112.7400, 0.3440,
0.2453

 0.5237, 0.4009,
0.0656

 143.1389, 0.3420,
0.2508

 0.0000, 0.4162,
0.0000

178.5630, 0.3402,

 0.0000, 0.2731,

0.2556

0.0000

219.3967, 0.3387,
0.2599

■ 0.0000, 0.0000,
0.0000

■ 22.6698, 0.3598,
0.2003

■ 22.6698, 0.3598,
0.2003

■ 20.4538, 0.3682,
0.1920

■ 25.8814, 0.3515,
0.2129

■ 19.1056, 0.3763,
0.1884


■ 30.1895, 0.3435,
0.2288


■ 18.4444, 0.3833,
0.1885


■ 35.6861, 0.3360,
0.2472


■ 42.4529, 0.3291,
0.2671

■ 50.5640, 0.3231,
0.2874

 60.0880, 0.3177,
0.3076

 71.0888, 0.3131,
0.3271

 83.6264, 0.3092,
0.3456

 92.5914, 0.3061,
0.3550

Harmonies

Analogous

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



22.6698, 0.2305, 0.1586



22.6698, 0.3598, 0.2003



22.6698, 0.5008, 0.2650

Triad

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



22.6698, 0.3598, 0.2003



22.6698, 0.4549, 0.5194



22.6698, 0.1084, 0.2309

Complementary

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



22.6698, 0.3598, 0.2003



53.6586, 0.2900, 0.5165

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.



22.6698, 0.1435, 0.3686



22.6698, 0.3598, 0.2003



22.6698, 0.3415, 0.5892

Square

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



22.6698, 0.3598, 0.2003



22.6698, 0.5444, 0.4240



22.6698, 0.2278, 0.5381



22.6698, 0.1122, 0.1649

Rectangle

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



22.6698, 0.3598, 0.2003



22.6698, 0.5596, 0.3144



22.6698, 0.2278, 0.5381



22.6698, 0.1151, 0.2681

Sweetspot

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



22.6709, 0.3598, 0.2003



69.7590, 0.3232, 0.2871



11.3481, 0.1954, 0.1129



14.2234, 0.3248, 0.2814



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.



22.6709, 0.3598, 0.2003



27.2857, 0.3720, 0.1897



20.1920, 0.4804, 0.2809



13.2255, 0.3170, 0.3107



10.7338, 0.3822, 0.1879



0.7074, 0.3703, 0.1813

Inverse Universe

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



22.6709, 0.3598, 0.2003



27.2857, 0.3720, 0.1897



55.8465, 0.2537, 0.3979



13.2255, 0.3170, 0.3107



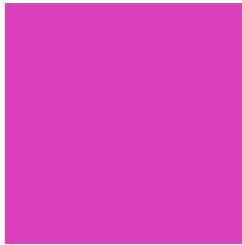
10.7338, 0.3822, 0.1879



0.7074, 0.3703, 0.1813

Previews

White Background



This preview shows how the Yxy color 22.6698, 0.3598, 0.2003 looks on a white background.

Color Contrast Check

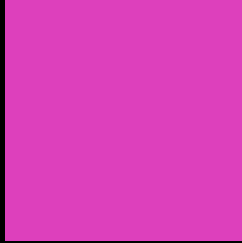
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.6698, 0.3598, 0.2003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

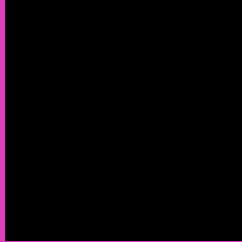
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.6698, 0.3598, 0.2003

Background



This preview shows how black text looks on a background with the Yxy color 22.6698, 0.3598, 0.2003.



This preview shows how white text looks on a background with the Yxy color 22.6698, 0.3598, 0.2003.

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

22.6698, 0.3598, 0.2003

Protanopia

23.2451, 0.1943, 0.1709

Deuteranopia

23.0312, 0.2557, 0.2508



Tritanopia

22.5332, 0.4749, 0.3225

Trichromacy



Original Color

22.6698, 0.3598, 0.2003



Protanomaly

19.8891, 0.2279, 0.1680



Deuteranomaly

20.6540, 0.2867, 0.2184



Tritanomaly

22.1204, 0.4330, 0.2726

Monochromacy



Original Color

22.6698, 0.3598, 0.2003



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

19.3122, 0.3317, 0.2594

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6698, 0.3598, 0.2003 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(221, 64, 188)` looks like.

```
.text, #text, p{  
    color:rgb(221, 64, 188)  
}
```

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(221, 64, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 64, 188) }
```

Border

The CSS property to change the border of an element to Yxy 22.6698, 0.3598, 0.2003 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(221, 64, 188) }
```

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

```
.border{ border-color:rgb(221, 64, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 64, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 64, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 64, 188);  
box-shadow:4px 4px 4px 4px rgb(221, 64,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6698, 0.3598, 0.2003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 64, 188) }
```

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

```
.background{ background-color: rgb(221, 64,  
188) }
```

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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