

Converting Colors

$Y_{xy}(22.6916, 0.3205, 0.1645)$

Have a look what the booklet for
Yxy(22.6916, 0.3205, 0.1645)
contains.

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Color

Yxy(22.6803, 0.3204, 0.1643)

Conversions

Conversions Part 1

Format	Color
Hex	DE2DDE
RGB	222, 45, 222
RGB Percent	87%, 18%, 87%
CMY	0.1297, 0.8229, 0.1295
CMYK	0.00, 0.80, 0.00, 0.13
HSL	300°, 73%, 52%
HSV	300°, 80%, 87%
XYZ	44.2287, 22.6803, 71.1330
YIQ	118.1010, 48.6750, 92.5710

Conversions

Conversions Part 2

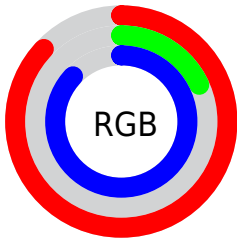
Format	Color
R _{YB}	222, 45, 222
Decimal	14560734
CIE _{Lab}	54.74, 82.54, -51.57
CIE _{LCh}	55, 97.325, 328.002
Yxy	22.6803, 0.3204, 0.1643
Android (android.graphics.Color)	4292750814 (0xFFDE2DDE)
YUV	118.1010, 51.2222, 91.1194
Hunter-Lab	47.6238, 82.4327, -55.2214

Details

The Yxy color **22.6803, 0.3204, 0.1643** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **52.9805, 0.3011, 0.5763**, and the grayscale version is **18.0009, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.2903, 0.3189, 0.1971**, and **10.4346, 0.3150, 0.1509** is the 20% darker color. If you saturate the color by 10%, you get **21.4024, 0.3207, 0.1575**, and if you desaturate by 10%, it is **24.8505, 0.3199, 0.1754**.

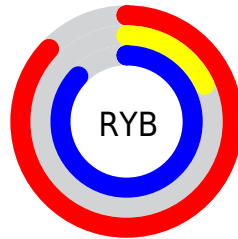
Distribution



Red (87%)

Green (18%)

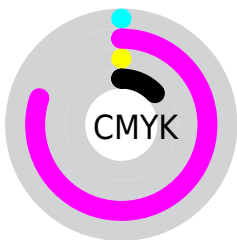
Blue (87%)



Red (87%)

Yellow (18%)

Blue (87%)

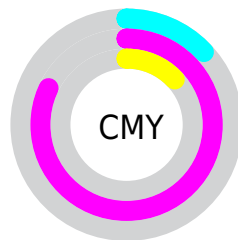


Cyan (0%)

Magenta (80%)

Yellow (0%)

Black (13%)



Cyan (13%)


Magenta (82%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.6803, 0.3204, 0.1643 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 22.6803, 0.3204, 0.1643 by changing the saturation by 10% instead.


 22.6803, 0.3204,
0.1643


 22.6803, 0.3204,
0.1643


266.0787, 0.3211,
0.2410


 14.3576, 0.3189,
0.1474


 47.8678, 0.3217,
0.1906


 8.3698, 0.3161,
0.1273


 65.5015, 0.3219,
0.2009


 4.3325, 0.3113,
0.1031


 87.0076, 0.3219,
0.2099

 1.8612, 0.3026,
0.0745

 112.7706, 0.3218,
0.2177

 0.5249, 0.2872,
0.0390

 143.1747, 0.3217,
0.2246

 0.0000, 0.2576,
0.0000

178.6046, 0.3215,

 0.0000, 0.1693,

0.2307

0.0000

219.4444, 0.3213,
0.2361

■ 0.0000, 0.0000,
0.0000

■ 22.6803, 0.3204,
0.1643

■ 22.6803, 0.3204,
0.1643

■ 21.4024, 0.3207,
0.1575

■ 24.8505, 0.3199,
0.1754

■ 20.8068, 0.3209,
0.1542

■ 28.0323, 0.3192,
0.1907

■ 20.7898, 0.3209,
0.1541

■ 32.3299, 0.3183,
0.2098

■ 37.8338, 0.3173,
0.2317

■ 44.6251, 0.3161,
0.2556

■ 52.7782, 0.3150,
0.2804

■ 62.3614, 0.3138,
0.3054

■ 73.4389, 0.3127,
0.3298

■ 86.0705, 0.3116,
0.3532

Harmonies

Analogous

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



22.6803, 0.1844, 0.1276



22.6803, 0.3204, 0.1643



22.6803, 0.4999, 0.2292

Triad

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



22.6803, 0.3204, 0.1643



22.6803, 0.4956, 0.5044



22.6803, 0.0842, 0.2392

Complementary

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



22.6803, 0.3204, 0.1643



52.9805, 0.3011, 0.5763

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.



22.6803, 0.1305, 0.4347



22.6803, 0.3204, 0.1643



22.6803, 0.3627, 0.6211

Square

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



22.6803, 0.3204, 0.1643



22.6803, 0.5944, 0.3913



22.6803, 0.2336, 0.6337



22.6803, 0.0816, 0.1497

Rectangle

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



22.6803, 0.3204, 0.1643



22.6803, 0.5896, 0.2800



22.6803, 0.2336, 0.6337



22.6803, 0.0936, 0.2915

Sweetspot

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



22.6813, 0.3204, 0.1643



66.9721, 0.3155, 0.2691



7.9578, 0.1647, 0.0855



13.4965, 0.3159, 0.2602



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.



22.6813, 0.3204, 0.1643



28.6915, 0.3208, 0.1550



19.2073, 0.4439, 0.2399



13.9355, 0.3138, 0.3059



12.3525, 0.3209, 0.1541



0.8563, 0.3209, 0.1541

Inverse Universe

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



17.6060, 0.5908, 0.3298



21.5039, 0.6353, 0.3299



54.4174, 0.2699, 0.4696



13.7006, 0.3292, 0.3290



9.2244, 0.6401, 0.3300



0.6394, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 22.6803, 0.3204, 0.1643 looks on a white background.

Color Contrast Check

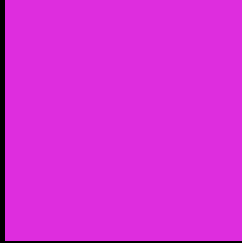
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.6803, 0.3204, 0.1643 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

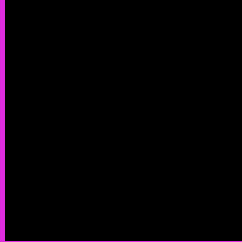
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.6803, 0.3204, 0.1643

Background



This preview shows how black text looks on a background with the Yxy color 22.6803, 0.3204, 0.1643.



This preview shows how white text looks on a background with the Yxy color 22.6803, 0.3204, 0.1643.

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

22.6803, 0.3204, 0.1643

Protanopia

23.1556, 0.1833, 0.1566

Deuteranopia

23.1341, 0.2136, 0.2083



Tritanopia

22.6793, 0.4651, 0.3222

Trichromacy



Original Color

22.6803, 0.3204, 0.1643



Protanomaly

18.5979, 0.2061, 0.1399



Deuteranomaly

19.1203, 0.2389, 0.1712



Tritanomaly

21.6482, 0.4116, 0.2510

Monochromacy



Original Color

22.6803, 0.3204, 0.1643



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

17.1225, 0.3173, 0.2308

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6803, 0.3204, 0.1643 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, 45, 222)` looks like.

```
.text, #text, p{  
    color:rgb(222, 45, 222)  
}
```

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, 45, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 45, 222) }
```

Border

The CSS property to change the border of an element to Yxy 22.6803, 0.3204, 0.1643 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, 45, 222) }
```

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

```
.border{ border-color:rgb(222, 45, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 45, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 45, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 45, 222);  
box-shadow:4px 4px 4px 4px rgb(222, 45,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6803, 0.3204, 0.1643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 45, 222) }
```

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

```
.background{ background-color: rgb(222, 45,  
222) }
```

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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