

Converting Colors

Yxy(22.4868, 0.3169, 0.1612)

Have a look what the booklet for
Yxy(22.4868, 0.3169, 0.1612)
contains.

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Color

Yxy(22.4817, 0.3172, 0.1616)

Conversions

Conversions Part 1

Format	Color
Hex	DD2BE0
RGB	221, 43, 224
RGB Percent	87%, 17%, 88%
CMY	0.1334, 0.8311, 0.1217
CMYK	0.01, 0.81, 0.00, 0.12
HSL	299°, 74%, 52%
HSV	299°, 81%, 88%
XYZ	44.1287, 22.4817, 72.5090
YIQ	116.8560, 47.9870, 94.0270

Conversions

Conversions Part 2

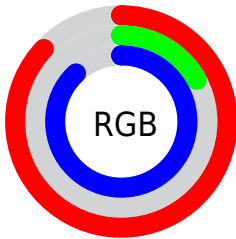
Format	Color
R_{YB}	221, 43, 224
Decimal	14494688
CIE _{Lab}	54.53, 83.14, -53.04
CIE _{LCh}	55, 98.617, 327.463
Yxy	22.4817, 0.3172, 0.1616
Android (android.graphics.Color)	4292684768 (0xFFDD2BE0)
YUV	116.8560, 52.8220, 91.3343
Hunter-Lab	47.4149, 83.1527, -57.4786

Details

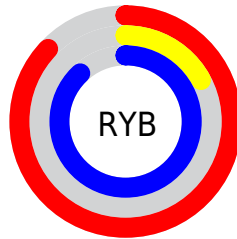
The Yxy color **22.4817, 0.3172, 0.1616** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **54.0496, 0.3017, 0.5781**, and the grayscale version is **17.5772, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.0683, 0.3189, 0.1964**, and **10.4042, 0.3106, 0.1485** is the 20% darker color. If you saturate the color by 10%, you get **21.2160, 0.3170, 0.1549**, and if you desaturate by 10%, it is **24.6428, 0.3172, 0.1726**.

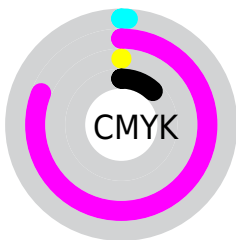
Distribution



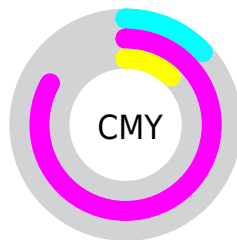
- Red (87%)
- Green (17%)
- Blue (88%)



- Red (87%)
- Yellow (17%)
- Blue (88%)



- Cyan (1%)
- Magenta (81%)
- Yellow (0%)
- Black (12%)




- Cyan (13%)
- Magenta (83%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.4817, 0.3172, 0.1616 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 22.4817, 0.3172, 0.1616 by changing the saturation by 10% instead.


 22.4817, 0.3172,
0.1616


 22.4817, 0.3172,
0.1616


265.0516, 0.3197,
0.2393


 14.2113, 0.3152,
0.1446


 47.5409, 0.3192,
0.1881


 8.2678, 0.3118,
0.1244

 65.0984, 0.3196,
0.1986

 4.2668, 0.3061,
0.1002


 86.5204, 0.3199,
0.2077

 1.8239, 0.2962,
0.0717

 112.1913, 0.3200,
0.2157

 0.5020, 0.2794,
0.0365

 142.4955, 0.3200,
0.2226

 0.0000, 0.2474,
0.0000

177.8173, 0.3199,

 0.0000, 0.1583,

0.2288

0.0000

218.5412, 0.3198,
0.2344

■ 0.0000, 0.0000,
0.0000

■ 22.4817, 0.3172,
0.1616

■ 22.4817, 0.3172,
0.1616

■ 21.2160, 0.3170,
0.1549

■ 24.6428, 0.3172,
0.1726

■ 20.6378, 0.3168,
0.1519

■ 27.8241, 0.3170,
0.1878

■ 32.1339, 0.3166,
0.2067

■ 37.6660, 0.3160,
0.2286

■ 44.5044, 0.3153,
0.2525

■ 52.7255, 0.3145,
0.2775

■ 62.4001, 0.3136,
0.3026

■ 73.5939, 0.3128,
0.3272

■ 86.3688, 0.3119,
0.3506

Harmonies

Analogous

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



22.4817, 0.1810, 0.1253



22.4817, 0.3172, 0.1616



22.4817, 0.4995, 0.2264

Triad

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



22.4817, 0.3172, 0.1616



22.4817, 0.4980, 0.5020



22.4817, 0.0824, 0.2399

Complementary

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



22.4817, 0.3172, 0.1616



54.0496, 0.3017, 0.5781

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.



22.4817, 0.1294, 0.4407



22.4817, 0.3172, 0.1616



22.4817, 0.3642, 0.6231

Square

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



22.4817, 0.3172, 0.1616



22.4817, 0.5983, 0.3886



22.4817, 0.2337, 0.6411



22.4817, 0.0794, 0.1486

Rectangle

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



22.4817, 0.3172, 0.1616



22.4817, 0.5918, 0.2773



22.4817, 0.2337, 0.6411



22.4817, 0.0919, 0.2936

Sweetspot

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



22.4827, 0.3172, 0.1616



66.7837, 0.3148, 0.2689



7.8567, 0.1633, 0.0832



13.4502, 0.3151, 0.2600



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.



22.4827, 0.3172, 0.1616



27.8805, 0.3168, 0.1526



19.3682, 0.4466, 0.2398



13.9235, 0.3135, 0.3059



12.0223, 0.3168, 0.1519



0.8371, 0.3175, 0.1523

Inverse Universe

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



17.7730, 0.5921, 0.3279



21.4520, 0.6354, 0.3293



55.4330, 0.2699, 0.4719



13.7042, 0.3290, 0.3287



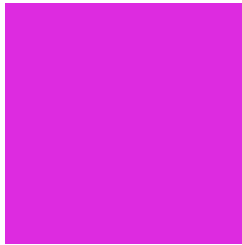
9.2306, 0.6382, 0.3290



0.6411, 0.6328, 0.3260

Previews

White Background



This preview shows how the Yxy color 22.4817, 0.3172, 0.1616 looks on a white background.

Color Contrast Check

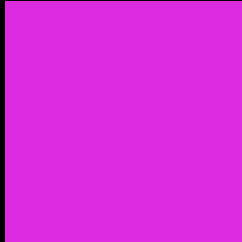
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.4817, 0.3172, 0.1616 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

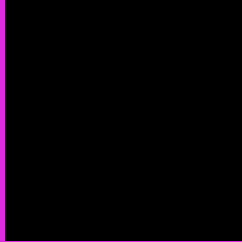
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.4817, 0.3172, 0.1616

Background



This preview shows how black text looks on a background with the Yxy color 22.4817, 0.3172, 0.1616.



This preview shows how white text looks on a background with the Yxy color 22.4817, 0.3172, 0.1616.

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

22.4817, 0.3172, 0.1616

Protanopia

23.1026, 0.1828, 0.1564

Deuteranopia

22.8251, 0.2107, 0.2041



Tritanopia

22.3894, 0.4629, 0.3221

Trichromacy



Original Color

22.4817, 0.3172, 0.1616



Protanomaly

18.4081, 0.2048, 0.1380



Deuteranomaly

18.8681, 0.2356, 0.1676



Tritanomaly

21.2413, 0.4079, 0.2481

Monochromacy



Original Color

22.4817, 0.3172, 0.1616



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

16.6812, 0.3161, 0.2276

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4817, 0.3172, 0.1616 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, 43, 224)` looks like.

```
.text, #text, p{  
    color:rgb(221, 43, 224)  
}
```

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, 43, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 43, 224) }
```

Border

The CSS property to change the border of an element to Yxy 22.4817, 0.3172, 0.1616 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, 43, 224) }
```

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

```
.border{ border-color:rgb(221, 43, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 43, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 43, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 43, 224);  
box-shadow:4px 4px 4px 4px rgb(221, 43,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4817, 0.3172, 0.1616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 43, 224) }
```

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

```
.background{ background-color: rgb(221, 43,  
224) }
```

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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