

Converting Colors

$Yxy(20.4875, 0.3271, 0.1576)$

Have a look what the booklet for
Yxy(20.4875, 0.3271, 0.1576)
contains.

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Color

Yxy(20.4875, 0.3279, 0.1580)

Conversions

Conversions Part 1

Format	Color
Hex	DE00D8
RGB	222, 0, 216
RGB Percent	87%, 0%, 85%
CMY	0.1294, 0.9998, 0.1530
CMYK	0.00, 1.00, 0.03, 0.13
HSL	302°, 100%, 44%
HSV	302°, 100%, 87%
XYZ	42.5180, 20.4875, 66.6622
YIQ	91.0020, 62.9760, 114.2400

Conversions

Conversions Part 2

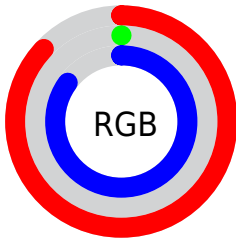
Format	Color
R _Y B	222, 0, 216
Decimal	14549208
CIE Lab	52.38, 87.64, -51.92
CIE LCh	52, 101.865, 329.355
Yxy	20.4875, 0.3279, 0.1580
Android (android.graphics.Color)	4292739288 (0xFFDE00D8)
YUV	91.0020, 61.6240, 114.8852
Hunter-Lab	45.2631, 88.4640, -55.6364

Details

The Yxy color **20.4875, 0.3279, 0.1580** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **52.2610, 0.2996, 0.5986**, and the grayscale version is **10.3148, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0294, 0.3194, 0.1861**, and **10.2194, 0.3240, 0.1558** is the 20% darker color. If you saturate the color by 10%, you get **20.4876, 0.3279, 0.1580**, and if you desaturate by 10%, it is **21.1019, 0.3270, 0.1609**.

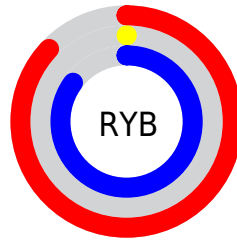
Distribution



Red (87%)

Green (0%)

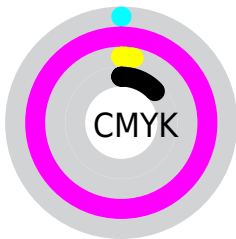
Blue (85%)



Red (87%)

Yellow (0%)

Blue (85%)

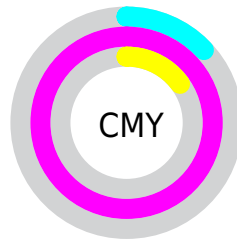


Cyan (0%)

Magenta (100%)

Yellow (3%)

Black (13%)



Cyan (13%)


Magenta (100%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.4875, 0.3279, 0.1580 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 20.4875, 0.3279, 0.1580 by changing the saturation by 10% instead.


 20.4875, 0.3279,
0.1580


 20.4875, 0.3279,
0.1580


254.5422, 0.3250,
0.2380


 12.7499, 0.3271,
0.1404


 44.2330, 0.3280,
0.1854


 7.2566, 0.3252,
0.1194


 61.0097, 0.3277,
0.1962


 3.6231, 0.3213,
0.0944


 81.5683, 0.3273,
0.2056

 1.4650, 0.3133,
0.0652

 106.2930, 0.3269,
0.2138

 0.2639, 0.3006,
0.0225

 135.5684, 0.3264,
0.2209

 0.0000, 0.2659,
0.0000

 169.7788, 0.3259,

 0.0000, 0.1504,

0.2273

0.0000

209.3086, 0.3255,
0.2330

■ 0.0000, 0.0000,
0.0000

■ 20.4875, 0.3279,
0.1580

■ 20.4875, 0.3279,
0.1580

■ 20.4876, 0.3279,
0.1580

■ 21.1019, 0.3270,
0.1609

■ 22.3847, 0.3259,
0.1673

■ 24.5537, 0.3245,
0.1781

■ 27.7321, 0.3230,
0.1931

■ 32.0236, 0.3213,
0.2117

■ 37.5192, 0.3195,
0.2332

■ 44.3003, 0.3177,
0.2566

■ 52.4414, 0.3160,
0.2808

■ 62.0112, 0.3143,
0.3052

Harmonies

Analogous

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



20.4875, 0.1813, 0.1192



20.4875, 0.3279, 0.1580



20.4875, 0.5219, 0.2254

Triad

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



20.4875, 0.3279, 0.1580



20.4875, 0.4902, 0.5098



20.4875, 0.0726, 0.2239

Complementary

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



20.4875, 0.3279, 0.1580



52.2610, 0.2996, 0.5986

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.



20.4875, 0.1146, 0.4303



20.4875, 0.3279, 0.1580



20.4875, 0.3514, 0.6452

Square

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



20.4875, 0.3279, 0.1580



20.4875, 0.6051, 0.3913



20.4875, 0.2169, 0.6576



20.4875, 0.0728, 0.1370

Rectangle

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



20.4875, 0.3279, 0.1580



20.4875, 0.6136, 0.2769



20.4875, 0.2169, 0.6576



20.4875, 0.0806, 0.2771

Sweetspot

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



20.4885, 0.3279, 0.1580



60.3869, 0.3178, 0.2560



5.2994, 0.1504, 0.0602



12.0378, 0.3186, 0.2459



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.



20.4885, 0.3279, 0.1580



28.0415, 0.3280, 0.1580



16.6003, 0.5056, 0.2559



13.9289, 0.3142, 0.3065



12.1709, 0.3278, 0.1579



0.8457, 0.3267, 0.1573

Inverse Universe

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



20.4885, 0.3279, 0.1580



28.0415, 0.3280, 0.1580



53.4791, 0.2714, 0.4970



13.9289, 0.3142, 0.3065



12.1709, 0.3278, 0.1579



0.8457, 0.3267, 0.1573

Previews

White Background



This preview shows how the Yxy color 20.4875, 0.3279, 0.1580 looks on a white background.

Color Contrast Check

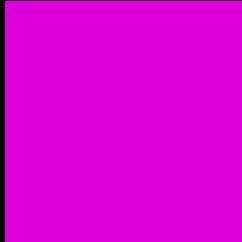
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4875, 0.3279, 0.1580 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

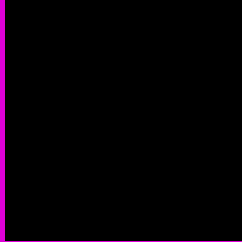
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.4875, 0.3279, 0.1580

Background



This preview shows how black text looks on a background with the Yxy color 20.4875, 0.3279, 0.1580.



This preview shows how white text looks on a background with the Yxy color 20.4875, 0.3279, 0.1580.

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

20.4875, 0.3279, 0.1580

Protanopia

21.3859, 0.1767, 0.1482

Deuteranopia

21.2844, 0.2130, 0.2075



Tritanopia

20.7905, 0.4888, 0.3238

Trichromacy



Original Color

20.4875, 0.3279, 0.1580



Protanomaly

14.4523, 0.1931, 0.1175



Deuteranomaly

15.4255, 0.2381, 0.1530



Tritanomaly

18.7120, 0.4331, 0.2419

Monochromacy



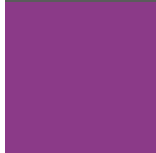
Original Color

20.4875, 0.3279, 0.1580



Achromatopsia

10.4616, 0.3127, 0.3290



Achromatomaly

10.2927, 0.3237, 0.2006

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4875, 0.3279, 0.1580 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, 0, 216)` looks like.

```
.text, #text, p{  
    color:rgb(222, 0, 216)  
}
```

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, 0, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 216) }
```

Border

The CSS property to change the border of an element to Yxy 20.4875, 0.3279, 0.1580 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, 0, 216) }
```

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

```
.border{ border-color:rgb(222, 0, 216) }
```

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

Here you see how a box with a 4 pixel rgb(222, 0, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 216);  
box-shadow:4px 4px 4px 4px rgb(222, 0,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4875, 0.3279, 0.1580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 0, 216) }
```

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

```
.background{ background-color: rgb(222, 0,  
216) }
```

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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