

Converting Colors

$Y_{xy}(21.8912, 0.3206, 0.1601)$

Have a look what the booklet for
Yxy(21.8912, 0.3206, 0.1601)
contains.

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Color

Yxy(21.8912, 0.3206, 0.1601)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | DE21DE |
| RGB | 222, 33, 222 |
| RGB Percent | 87%, 13%, 87% |
| CMY | 0.1296, 0.8698, 0.1295 |
| CMYK | 0.00, 0.85, 0.00, 0.13 |
| HSL | 300°, 74%, 50% |
| HSV | 300°, 85%, 87% |
| XYZ | 43.8371, 21.8912, 71.0062 |
| YIQ | 111.0570, 51.9750, 98.8470 |

Conversions

Conversions Part 2

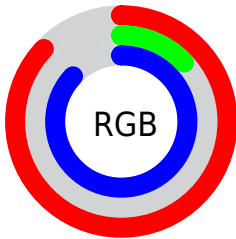
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 222, 33, 222 |
| Decimal | 14557662 |
| CIE Lab | 53.91, 84.97, -52.90 |
| CIE LCh | 54, 100.091, 328.094 |
| Yxy | 21.8912, 0.3206, 0.1601 |
| Android (android.graphics.Color) | 4292747742 (0xFFDE21DE) |
| YUV | 111.0570, 54.6949, 97.2970 |
| Hunter-Lab | 46.7880, 85.3629, -57.2278 |

Details

The Yxy color **21.8912, 0.3206, 0.1601** 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 **52.6689, 0.3007, 0.5859**, and the grayscale version is **15.7710, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.9954, 0.3191, 0.1928**, and **10.4346, 0.3150, 0.1509** is the 20% darker color. If you saturate the color by 10%, you get **21.0321, 0.3208, 0.1554**, and if you desaturate by 10%, it is **23.5644, 0.3202, 0.1689**.

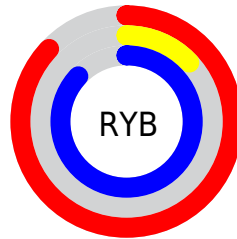
Distribution



Red (87%)

Green (13%)

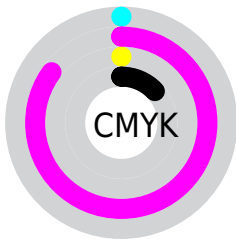
Blue (87%)



Red (87%)

Yellow (13%)

Blue (87%)

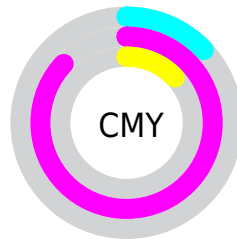


Cyan (0%)

Magenta (85%)

Yellow (0%)

Black (13%)



Cyan (13%)


Magenta (87%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.8912, 0.3206, 0.1601 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 21.8912, 0.3206, 0.1601 by changing the saturation by 10% instead.


 21.8912, 0.3206,
0.1601


 21.8912, 0.3206,
0.1601


261.9776, 0.3215,
0.2386


 13.7770, 0.3189,
0.1429

 46.5661, 0.3220,
0.1869

 7.9657, 0.3160,
0.1225


 63.8956, 0.3222,
0.1975


 4.0730, 0.3109,
0.0981


 85.0656, 0.3223,
0.2067

 1.7145, 0.3016,
0.0695

 110.4605, 0.3222,
0.2147

 0.4330, 0.2858,
0.0327

 140.4648, 0.3221,
0.2218

 0.0000, 0.2533,
0.0000

175.4628, 0.3219,

 0.0000, 0.1603,

0.2280

0.0000

215.8389, 0.3217,
0.2336

■ 0.0000, 0.0000,
0.0000

■ 21.8912, 0.3206,
0.1601

■ 21.8912, 0.3206,
0.1601

■ 21.0321, 0.3208,
0.1554

■ 23.5644, 0.3202,
0.1689


■ 20.7923, 0.3209,
0.1541


■ 26.1862, 0.3196,
0.1820

■ 29.8702, 0.3188,
0.1991

■ 34.7131, 0.3178,
0.2196

■ 40.8007, 0.3168,
0.2425

 48.2108, 0.3156,
0.2669

 57.0150, 0.3144,
0.2920

 67.2794, 0.3133,
0.3168

 79.0663, 0.3122,
0.3408

Harmonies

Analogous

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



21.8912, 0.1807, 0.1230



21.8912, 0.3206, 0.1601



21.8912, 0.5073, 0.2259

Triad

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



21.8912, 0.3206, 0.1601



21.8912, 0.4955, 0.5045



21.8912, 0.0787, 0.2344

Complementary

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



21.8912, 0.3206, 0.1601



52.6689, 0.3007, 0.5859

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.



21.8912, 0.1240, 0.4377



21.8912, 0.3206, 0.1601



21.8912, 0.3599, 0.6307

Square

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



21.8912, 0.3206, 0.1601



21.8912, 0.6009, 0.3892



21.8912, 0.2279, 0.6476



21.8912, 0.0769, 0.1443

Rectangle

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



21.8912, 0.3206, 0.1601



21.8912, 0.5997, 0.2770



21.8912, 0.2279, 0.6476



21.8912, 0.0877, 0.2880

Sweetspot

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



21.8922, 0.3206, 0.1601



64.7439, 0.3158, 0.2641



6.8823, 0.1589, 0.0756



13.0707, 0.3162, 0.2554



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.



21.8922, 0.3206, 0.1601



28.4711, 0.3209, 0.1541



18.2565, 0.4567, 0.2400



13.9355, 0.3138, 0.3059



12.3531, 0.3209, 0.1541



0.8563, 0.3209, 0.1541

Inverse Universe

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



16.7361, 0.6099, 0.3299



21.2601, 0.6401, 0.3300



54.0239, 0.2704, 0.4803



13.7006, 0.3292, 0.3290



9.2243, 0.6401, 0.3300



0.6394, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 21.8912, 0.3206, 0.1601 looks on a white background.

Color Contrast Check

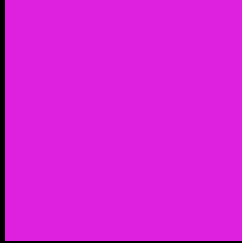
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8912, 0.3206, 0.1601 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

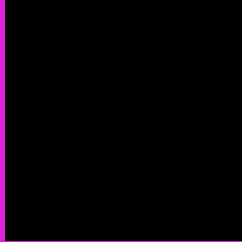
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8912, 0.3206, 0.1601

Background



This preview shows how black text looks on a background with the Yxy color 21.8912, 0.3206, 0.1601.



This preview shows how white text looks on a background with the Yxy color 21.8912, 0.3206, 0.1601.

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

21.8912, 0.3206, 0.1601

Protanopia

22.4451, 0.1807, 0.1533

Deuteranopia

22.3180, 0.2107, 0.2055



Tritanopia

21.7551, 0.4728, 0.3223

Trichromacy



Original Color

21.8912, 0.3206, 0.1601



Protanomaly

17.3766, 0.2017, 0.1332



Deuteranomaly

17.9450, 0.2353, 0.1640



Tritanomaly

20.4794, 0.4172, 0.2476

Monochromacy



Original Color

21.8912, 0.3206, 0.1601



Achromatopsia

15.8961, 0.3127, 0.3290



Achromatomaly

15.0002, 0.3177, 0.2223

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8912, 0.3206, 0.1601 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, 33, 222)` looks like.

```
.text, #text, p{  
    color:rgb(222, 33, 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, 33, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 33, 222) }
```

Border

The CSS property to change the border of an element to Yxy 21.8912, 0.3206, 0.1601 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, 33, 222) }
```

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

```
.border{ border-color:rgb(222, 33, 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, 33, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 33, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 33, 222);  
box-shadow:4px 4px 4px 4px rgb(222, 33,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8912, 0.3206, 0.1601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 33, 222) }
```

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

```
.background{ background-color: rgb(222, 33,  
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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