

Converting Colors

$Yxy(20.6814, 0.2927, 0.1406)$

Have a look what the booklet for
Yxy(20.6814, 0.2927, 0.1406)
contains.

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Color

Yxy(20.5996, 0.2922, 0.1402)

Conversions

Conversions Part 1

Format	Color
Hex	D410EF
RGB	212, 16, 239
RGB Percent	83%, 6%, 94%
CMY	0.1684, 0.9386, 0.0626
CMYK	0.11, 0.93, 0.00, 0.06
HSL	293°, 88%, 50%
HSV	293°, 93%, 94%
XYZ	42.9330, 20.5996, 83.3975
YIQ	100.0260, 45.2330, 110.9050

Conversions

Conversions Part 2

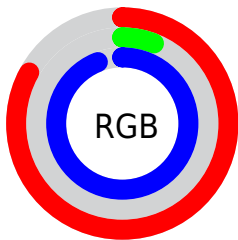
Format	Color
R _{YB}	212, 16, 239
Decimal	13897967
CIE _{Lab}	52.51, 88.34, -64.87
CIE _{LCh}	53, 109.603, 323.709
Yxy	20.5996, 0.2922, 0.1402
Android (android.graphics.Color)	4292088047 (0xFFD410EF)
YUV	100.0260, 68.5142, 98.2012
Hunter-Lab	45.3868, 89.4226, -77.1737

Details

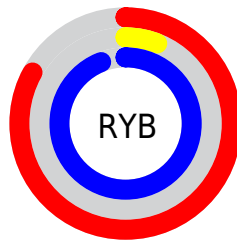
The Yxy color **20.5996, 0.2922, 0.1402** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **62.2924, 0.3041, 0.5929**, and the grayscale version is **12.5165, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5943, 0.3193, 0.1880**, and **10.0528, 0.2796, 0.1314** is the 20% darker color. If you saturate the color by 10%, you get **19.9607, 0.2901, 0.1372**, and if you desaturate by 10%, it is **22.1609, 0.2953, 0.1476**.

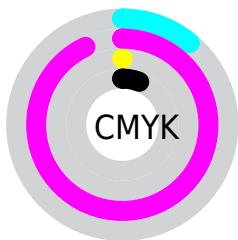
Distribution



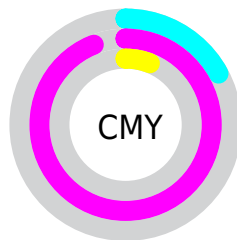
- Red (83%)
- Green (6%)
- Blue (94%)



- Red (83%)
- Yellow (6%)
- Blue (94%)



- Cyan (11%)
- Magenta (93%)
- Yellow (0%)
- Black (6%)





- Cyan (17%)
- Magenta (94%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.5996, 0.2922, 0.1402 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 20.5996, 0.2922, 0.1402 by changing the saturation by 10% instead.


 20.5996, 0.2922,
0.1402


 20.5996, 0.2922,
0.1402


255.1429, 0.3089,
0.2256


 12.8316, 0.2864,
0.1224


 44.4202, 0.2996,
0.1687

 7.3127, 0.2783,
0.1017


 61.2416, 0.3020,
0.1802


 3.6584, 0.2664,
0.0779


 81.8497, 0.3038,
0.1902

 1.4844, 0.2486,
0.0515

 106.6287, 0.3053,
0.1991

 0.2777, 0.2226,
0.0171

 135.9632, 0.3065,
0.2069

 0.0000, 0.1782,
0.0000

170.2374, 0.3074,

 0.0000, 0.0876,

0.2138


0.0000


209.8358, 0.3082,
0.2200


 0.0000, 0.0000,
0.0000


 20.5996, 0.2922,
0.1402

 20.5996, 0.2922,
0.1402


 19.9607, 0.2901,
0.1372

 22.1609, 0.2953,
0.1476

 24.7198, 0.2984,
0.1595

 28.4374, 0.3013,
0.1758

 33.4452, 0.3040,
0.1959

 39.8574, 0.3064,
0.2189

■ 47.7751, 0.3084,
0.2438

■ 57.2905, 0.3101,
0.2697

■ 68.4881, 0.3114,
0.2955

■ 81.4465, 0.3124,
0.3206

Harmonies

Analogous

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



20.5996, 0.1546, 0.1072



20.5996, 0.2922, 0.1402



20.5996, 0.4982, 0.2043

Triad

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



20.5996, 0.2922, 0.1402



20.5996, 0.5172, 0.4828



20.5996, 0.0668, 0.2444

Complementary

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



20.5996, 0.2922, 0.1402



62.2924, 0.3041, 0.5929

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.



20.5996, 0.1178, 0.4930



20.5996, 0.2922, 0.1402



20.5996, 0.3692, 0.6308

Square

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



20.5996, 0.2922, 0.1402



20.5996, 0.6312, 0.3660



20.5996, 0.2293, 0.7008



20.5996, 0.0621, 0.1376

Rectangle

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



20.5996, 0.2922, 0.1402



20.5996, 0.6121, 0.2557



20.5996, 0.2293, 0.7008



20.5996, 0.0770, 0.3101

Sweetspot

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



20.6005, 0.2922, 0.1402



60.9966, 0.3094, 0.2576



8.2513, 0.1559, 0.0768



12.0664, 0.3086, 0.2465



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.



20.6005, 0.2922, 0.1402



23.1015, 0.2900, 0.1371



21.1550, 0.4324, 0.2184



15.9289, 0.3119, 0.3056



11.0662, 0.2907, 0.1375



0.9476, 0.2949, 0.1398

Inverse Universe

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



18.8880, 0.6129, 0.3196



21.3578, 0.6280, 0.3233



62.7312, 0.2824, 0.5325



15.7899, 0.3274, 0.3262



10.1996, 0.6250, 0.3217



0.8585, 0.5968, 0.3062

Previews

White Background



This preview shows how the Yxy color 20.5996, 0.2922, 0.1402 looks on a white background.

Color Contrast Check

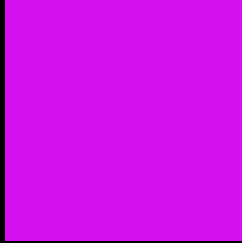
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5996, 0.2922, 0.1402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

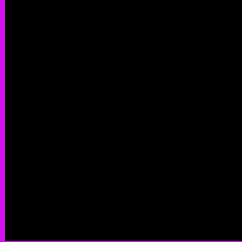
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.5996, 0.2922, 0.1402

Background



This preview shows how black text looks on a background with the Yxy color 20.5996, 0.2922, 0.1402.



This preview shows how white text looks on a background with the Yxy color 20.5996, 0.2922, 0.1402.

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

20.5996, 0.2922, 0.1402

Protanopia

21.3096, 0.1759, 0.1479

Deuteranopia

21.1506, 0.1865, 0.1805



Tritanopia

20.5471, 0.4498, 0.3202

Trichromacy



Original Color

20.5996, 0.2922, 0.1402



Protanomaly

15.2502, 0.1870, 0.1164



Deuteranomaly

15.0164, 0.1973, 0.1316



Tritanomaly

18.5483, 0.3887, 0.2280

Monochromacy



Original Color

20.5996, 0.2922, 0.1402



Achromatopsia

12.7438, 0.3127, 0.3290



Achromatomaly

12.1533, 0.3041, 0.1976

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5996, 0.2922, 0.1402 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(212, 16, 239)` looks like.

```
.text, #text, p{  
    color:rgb(212, 16, 239)  
}
```

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(212, 16, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 16, 239) }
```

Border

The CSS property to change the border of an element to Yxy 20.5996, 0.2922, 0.1402 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(212, 16, 239) }
```

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

```
.border{ border-color:rgb(212, 16, 239) }
```

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

Here you see how a box with a 4 pixel rgb(212, 16, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 16, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 16, 239);  
box-shadow:4px 4px 4px 4px rgb(212, 16,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5996, 0.2922, 0.1402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 16, 239) }
```

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

```
.background{ background-color: rgb(212, 16,  
239) }
```

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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