

Converting Colors

Yxy(20.6894, 0.2893, 0.1387)

Have a look what the booklet for
Yxy(20.6894, 0.2893, 0.1387)
contains.

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Color

Yxy(20.7185, 0.2903, 0.1392)

Conversions

Conversions Part 1

Format	Color
Hex	D410F1
RGB	212, 16, 241
RGB Percent	83%, 6%, 95%
CMY	0.1686, 0.9368, 0.0550
CMYK	0.12, 0.93, 0.00, 0.06
HSL	292°, 89%, 50%
HSV	292°, 93%, 94%
XYZ	43.2082, 20.7185, 84.9131
YIQ	100.2540, 44.5910, 111.5270

Conversions

Conversions Part 2

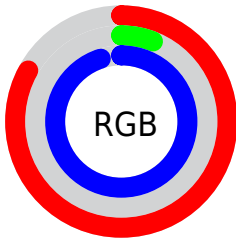
Format	Color
R _Y B	212, 16, 241
Decimal	13897969
CIE Lab	52.64, 88.59, -65.75
CIE LCh	53, 110.324, 323.420
Yxy	20.7185, 0.2903, 0.1392
Android (android.graphics.Color)	4292088049 (0xFFD410F1)
YUV	100.2540, 69.3878, 98.0012
Hunter-Lab	45.5176, 89.7878, -78.7433

Details

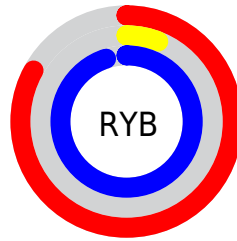
The Yxy color **20.7185, 0.2903, 0.1392** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **63.4876, 0.3045, 0.5926**, and the grayscale version is **12.6413, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5943, 0.3193, 0.1880**, and **10.1361, 0.2773, 0.1301** is the 20% darker color. If you saturate the color by 10%, you get **20.0384, 0.2881, 0.1360**, and if you desaturate by 10%, it is **22.3434, 0.2937, 0.1468**.

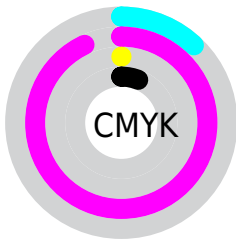
Distribution



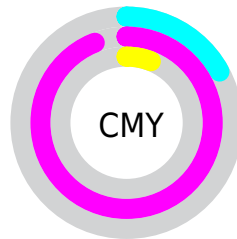
- Red (83%)
- Green (6%)
- Blue (95%)



- Red (83%)
- Yellow (6%)
- Blue (95%)



- Cyan (12%)
- Magenta (93%)
- Yellow (0%)
- Black (6%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7185, 0.2903, 0.1392 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 20.7185, 0.2903, 0.1392 by changing the saturation by 10% instead.


 20.7185, 0.2903,
0.1392


 20.7185, 0.2903,
0.1392


255.7787, 0.3080,
0.2248


 12.9184, 0.2843,
0.1214


 44.6186, 0.2980,
0.1677


 7.3724, 0.2759,
0.1008


 61.4873, 0.3006,
0.1792


 3.6961, 0.2637,
0.0772


 82.1477, 0.3025,
0.1893

 1.5050, 0.2456,
0.0510

 106.9842, 0.3041,
0.1981

 0.2923, 0.2192,
0.0175

 136.3812, 0.3054,
0.2060

 0.0000, 0.1751,
0.0000

170.7229, 0.3064,

 0.0000, 0.0883,

0.2129

0.0000

210.3940, 0.3073,
0.2192

■ 0.0000, 0.0000,
0.0000

■ 20.7185, 0.2903,
0.1392

■ 20.7185, 0.2903,
0.1392

■ 20.0384, 0.2881,
0.1360

■ 22.3434, 0.2937,
0.1468

■ 24.9883, 0.2970,
0.1589

■ 28.8168, 0.3001,
0.1754

■ 33.9632, 0.3031,
0.1957

■ 40.5434, 0.3057,
0.2189

■ 48.6606, 0.3079,
0.2440

■ 58.4087, 0.3098,
0.2700

■ 69.8737, 0.3113,
0.2958

■ 83.1358, 0.3124,
0.3209

Harmonies

Analogous

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



20.7185, 0.1532, 0.1065



20.7185, 0.2903, 0.1392



20.7185, 0.4969, 0.2031

Triad

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



20.7185, 0.2903, 0.1392



20.7185, 0.5187, 0.4813



20.7185, 0.0664, 0.2455

Complementary

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



20.7185, 0.2903, 0.1392



63.4876, 0.3045, 0.5926

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.



20.7185, 0.1178, 0.4968



20.7185, 0.2903, 0.1392



20.7185, 0.3700, 0.6300

Square

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



20.7185, 0.2903, 0.1392



20.7185, 0.6327, 0.3646



20.7185, 0.2298, 0.7030



20.7185, 0.0615, 0.1376

Rectangle

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



20.7185, 0.2903, 0.1392



20.7185, 0.6121, 0.2545



20.7185, 0.2298, 0.7030



20.7185, 0.0767, 0.3120

Sweetspot

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



20.7194, 0.2903, 0.1392



60.8918, 0.3089, 0.2575



8.4219, 0.1560, 0.0770



12.0407, 0.3081, 0.2463



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.



20.7194, 0.2903, 0.1392



22.7725, 0.2880, 0.1360



21.5555, 0.4322, 0.2184



15.9221, 0.3117, 0.3056



10.9118, 0.2886, 0.1364



0.9363, 0.2931, 0.1388

Inverse Universe

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



19.2590, 0.6109, 0.3186



21.3690, 0.6266, 0.3226



63.8937, 0.2824, 0.5323



15.7920, 0.3273, 0.3260



10.2055, 0.6235, 0.3208



0.8595, 0.5942, 0.3047

Previews

White Background



This preview shows how the Yxy color 20.7185, 0.2903, 0.1392 looks on a white background.

Color Contrast Check

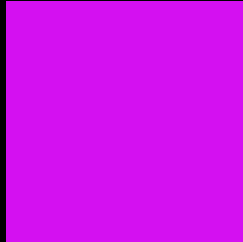
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7185, 0.2903, 0.1392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

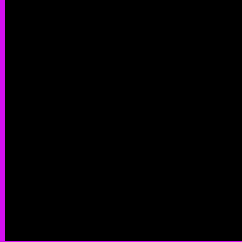
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7185, 0.2903, 0.1392

Background



This preview shows how black text looks on a background with the Yxy color 20.7185, 0.2903, 0.1392.



This preview shows how white text looks on a background with the Yxy color 20.7185, 0.2903, 0.1392.

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

20.7185, 0.2903, 0.1392

Protanopia

21.3333, 0.1762, 0.1480

Deuteranopia

21.1666, 0.1848, 0.1783



Tritanopia

20.6131, 0.4463, 0.3201

Trichromacy



Original Color

20.7185, 0.2903, 0.1392



Protanomaly

15.3640, 0.1873, 0.1162



Deuteranomaly

14.9179, 0.1941, 0.1293



Tritanomaly

18.6138, 0.3855, 0.2257

Monochromacy



Original Color

20.7185, 0.2903, 0.1392



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 20.7185, 0.2903, 0.1392 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, 241)` looks like.

```
.text, #text, p{  
    color:rgb(212, 16, 241)  
}
```

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, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 16, 241) }
```

Border

The CSS property to change the border of an element to Yxy 20.7185, 0.2903, 0.1392 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, 241) }
```

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

```
.border{ border-color:rgb(212, 16, 241) }
```

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, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 16, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 16, 241);  
box-shadow:4px 4px 4px 4px rgb(212, 16,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7185, 0.2903, 0.1392 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, 241) }
```

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

```
.background{ background-color: rgb(212, 16,  
241) }
```

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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