

Converting Colors

$Y_{xy}(20.8837, 0.2716, 0.1308)$

Have a look what the booklet for
Yxy(20.8837, 0.2716, 0.1308)
contains.

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Color

Yxy(20.9188, 0.2718, 0.1308)

Conversions

Conversions Part 1

Format	Color
Hex	CD1BFE
RGB	205, 27, 254
RGB Percent	80%, 11%, 100%
CMY	0.1959, 0.8946, 0.0038
CMYK	0.19, 0.89, 0.00, 0.00
HSL	287°, 99%, 55%
HSV	287°, 89%, 100%
XYZ	43.4689, 20.9188, 95.5420
YIQ	106.1000, 33.2210, 108.3330

Conversions

Conversions Part 2

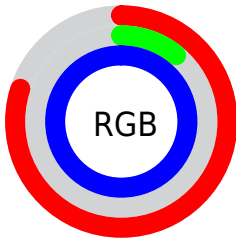
Format	Color
RYB	205, 27, 254
Decimal	13442046
CIELab	52.86, 88.41, -72.75
CIELCh	53, 114.496, 320.552
Yxy	20.9188, 0.2718, 0.1308
Android (android.graphics.Color)	4291632126 (0xFFCD1BFE)
YUV	106.1000, 72.9147, 86.7353
Hunter-Lab	45.7371, 89.6080, -91.8373

Details

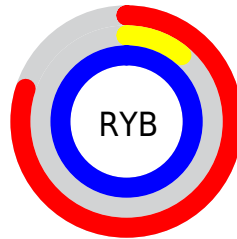
The Yxy color **20.9188, 0.2718, 0.1308** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light washed magenta. A complement of this color would be **72.5158, 0.3111, 0.5842**, and the grayscale version is **14.2134, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1805, 0.3192, 0.1900**, and **10.0053, 0.2556, 0.1182** is the 20% darker color. If you saturate the color by 10%, you get **19.4077, 0.2661, 0.1241**, and if you desaturate by 10%, it is **23.4152, 0.2776, 0.1418**.

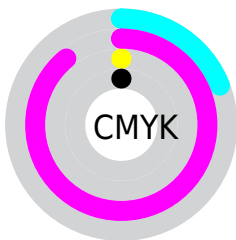
Distribution



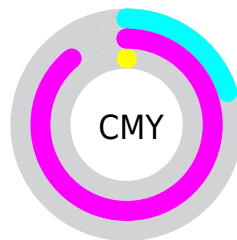
- Red (80%)
- Green (11%)
- Blue (100%)



- Red (80%)
- Yellow (11%)
- Blue (100%)



- Cyan (19%)
- Magenta (89%)
- Yellow (0%)
- Black (0%)





- Cyan (20%)
- Magenta (89%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.9188, 0.2718, 0.1308 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 20.9188, 0.2718, 0.1308 by changing the saturation by 10% instead.


 20.9188, 0.2718,
0.1308


 20.9188, 0.2718,
0.1308


256.8466, 0.2990,
0.2186


 13.0647, 0.2636,
0.1131


 44.9524, 0.2829,
0.1596


 7.4731, 0.2527,
0.0929


 61.9006, 0.2867,
0.1714


 3.7597, 0.2375,
0.0701


 82.6489, 0.2898,
0.1817

 1.5401, 0.2162,
0.0454

 107.5818, 0.2924,
0.1908

 0.3167, 0.1867,
0.0159

 137.0836, 0.2945,
0.1989

 0.0000, 0.1425,
0.0000

171.5388, 0.2963,


 0.0000, 0.0685,


0.2062


0.0000


211.3317, 0.2978,
0.2127


 0.0000, 0.0000,
0.0000


 20.9188, 0.2718,
0.1308


 20.9188, 0.2718,
0.1308


 19.4077, 0.2661,
0.1241


 23.4152, 0.2776,
0.1418

 19.3327, 0.2658,
0.1238

 27.1584, 0.2835,
0.1574

 32.3203, 0.2892,
0.1773

 39.0452, 0.2945,
0.2005

 47.4592, 0.2994,
0.2260

■ 57.6756, 0.3036,
0.2527

■ 69.7976, 0.3073,
0.2794

■ 83.9206, 0.3103,
0.3055

■ 99.8151, 0.3129,
0.3299

Harmonies

Analogous

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



20.9188, 0.1406, 0.1011



20.9188, 0.2718, 0.1308



20.9188, 0.4816, 0.1926

Triad

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



20.9188, 0.2718, 0.1308



20.9188, 0.5333, 0.4667



20.9188, 0.0642, 0.2591

Complementary

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



20.9188, 0.2718, 0.1308



72.5158, 0.3111, 0.5842

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.



20.9188, 0.1205, 0.5333



20.9188, 0.2718, 0.1308



20.9188, 0.3805, 0.6195

Square

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



20.9188, 0.2718, 0.1308



20.9188, 0.6451, 0.3516



20.9188, 0.2363, 0.7183



20.9188, 0.0569, 0.1391

Rectangle

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



20.9188, 0.2718, 0.1308



20.9188, 0.6080, 0.2438



20.9188, 0.2363, 0.7183



20.9188, 0.0758, 0.3332

Sweetspot

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



20.9196, 0.2718, 0.1308



60.9523, 0.3046, 0.2592



12.5700, 0.1628, 0.0977



12.2140, 0.3032, 0.2500



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.



20.9196, 0.2718, 0.1308



19.4986, 0.2658, 0.1238



25.5586, 0.3982, 0.2014



18.0911, 0.3103, 0.3053



10.2562, 0.2667, 0.1243



1.0454, 0.2732, 0.1279

Inverse Universe

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



22.3753, 0.5766, 0.3030



21.5359, 0.6074, 0.3120



71.8966, 0.2874, 0.5466



18.0512, 0.3260, 0.3239



11.2707, 0.6037, 0.3099



1.1127, 0.5733, 0.2932

Previews

White Background



This preview shows how the Yxy color 20.9188, 0.2718, 0.1308 looks on a white background.

Color Contrast Check

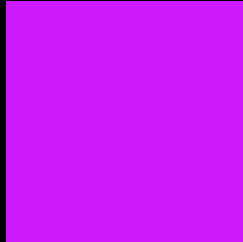
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9188, 0.2718, 0.1308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

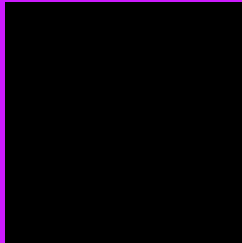
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.9188, 0.2718, 0.1308

Background



This preview shows how black text looks on a background with the Yxy color 20.9188, 0.2718, 0.1308.



This preview shows how white text looks on a background with the Yxy color 20.9188, 0.2718, 0.1308.

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

20.9188, 0.2718, 0.1308

Protanopia

21.3457, 0.1763, 0.1481

Deuteranopia

21.1915, 0.1834, 0.1801



Tritanopia

20.7972, 0.4189, 0.3194

Trichromacy



Original Color

20.9188, 0.2718, 0.1308



Protanomaly

16.2100, 0.1857, 0.1172



Deuteranomaly

15.2063, 0.1850, 0.1286



Tritanomaly

18.8473, 0.3586, 0.2196

Monochromacy



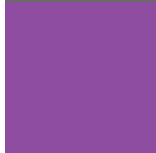
Original Color

20.9188, 0.2718, 0.1308



Achromatopsia

14.4128, 0.3127, 0.3290



Achromatomaly

13.5966, 0.2939, 0.1983

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9188, 0.2718, 0.1308 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(205, 27, 254)` looks like.

```
.text, #text, p{  
    color:rgb(205, 27, 254)  
}
```

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(205, 27, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 27, 254) }
```

Border

The CSS property to change the border of an element to Yxy 20.9188, 0.2718, 0.1308 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(205, 27, 254) }
```

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

```
.border{ border-color:rgb(205, 27, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 27, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 27, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 27, 254);  
box-shadow:4px 4px 4px 4px rgb(205, 27,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9188, 0.2718, 0.1308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 27, 254) }
```

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

```
.background{ background-color: rgb(205, 27,  
254) }
```

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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