

Converting Colors

$Y_{xy}(22.3208, 0.2698, 0.1371)$

Have a look what the booklet for
Yxy(22.3208, 0.2698, 0.1371)
contains.

Yxy(22.2842, 0.2695, 0.1369)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(22.2842, 0.2695, 0.1369)

Conversions

Conversions Part 1

Format	Color
Hex	CB33FF
RGB	203, 51, 255
RGB Percent	80%, 20%, 100%
CMY	0.2039, 0.8001, 0.0000
CMYK	0.20, 0.80, 0.00, 0.00
HSL	285°, 100%, 60%
HSV	285°, 80%, 100%
XYZ	43.8685, 22.2842, 96.6246
YIQ	119.7040, 25.1080, 95.6680

Conversions

Conversions Part 2

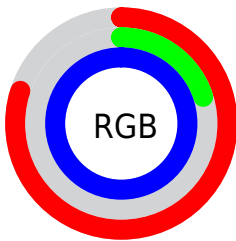
Format	Color
R _Y B	203, 51, 255
Decimal	13317119
CIE Lab	54.33, 83.27, -70.94
CIE LCh	54, 109.390, 319.571
Yxy	22.2842, 0.2695, 0.1369
Android (android.graphics.Color)	4291507199 (0xFFCB33FF)
YUV	119.7040, 66.7009, 73.0506
Hunter-Lab	47.2061, 83.2685, -88.3143

Details

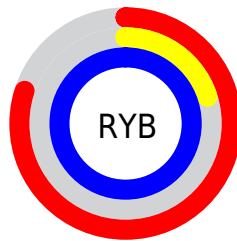
The Yxy color **22.2842, 0.2695, 0.1369** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **74.6397, 0.3180, 0.5658**, and the grayscale version is **18.4555, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.9708, 0.3188, 0.1993**, and **9.8709, 0.2522, 0.1163** is the 20% darker color. If you saturate the color by 10%, you get **19.7402, 0.2626, 0.1255**, and if you desaturate by 10%, it is **26.0832, 0.2765, 0.1531**.

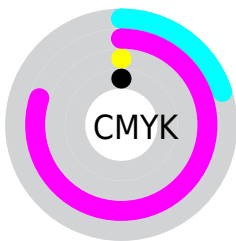
Distribution



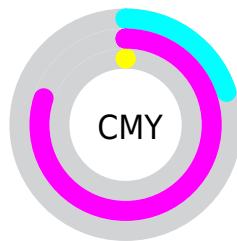
- Red (80%)
- Green (20%)
- Blue (100%)



- Red (80%)
- Yellow (20%)
- Blue (100%)



- Cyan (20%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)




- Cyan (20%)
- Magenta (80%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2842, 0.2695, 0.1369 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 22.2842, 0.2695, 0.1369 by changing the saturation by 10% instead.


 22.2842, 0.2695,
0.1369


 22.2842, 0.2695,
0.1369

264.0269, 0.2973,
0.2223


 14.0659, 0.2614,
0.1195


 47.2153, 0.2807,
0.1651


 8.1665, 0.2505,
0.0994


 64.6968, 0.2846,
0.1765


 4.2017, 0.2356,
0.0766


 86.0349, 0.2877,
0.1866

 1.7870, 0.2147,
0.0515

 111.6138, 0.2903,
0.1954

 0.4791, 0.1853,
0.0234

 141.8181, 0.2925,
0.2033

 0.0000, 0.1429,
0.0000

177.0321, 0.2944,

 0.0000, 0.0716,

0.2103

0.0000

217.6403, 0.2959,
0.2166

■ 0.0000, 0.0000,
0.0000

■ 22.2842, 0.2695,
0.1369

■ 22.2842, 0.2695,
0.1369

■ 19.7402, 0.2626,
0.1255

■ 26.0832, 0.2765,
0.1531

■ 18.1704, 0.2560,
0.1184

■ 31.3162, 0.2834,
0.1736

■ 38.1290, 0.2899,
0.1974

■ 46.6500, 0.2958,
0.2235

■ 56.9943, 0.3011,
0.2505

69.2668, 0.3056,
0.2776

83.5644, 0.3095,
0.3040

99.9775, 0.3127,
0.3290

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



22.2842, 0.1450, 0.1083



22.2842, 0.2695, 0.1369



22.2842, 0.4655, 0.1969

Triad

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



22.2842, 0.2695, 0.1369



22.2842, 0.5347, 0.4653



22.2842, 0.0743, 0.2719

Complementary

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



22.2842, 0.2695, 0.1369



74.6397, 0.3180, 0.5658

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.



22.2842, 0.1348, 0.5283



22.2842, 0.2695, 0.1369



22.2842, 0.3924, 0.6076

Square

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



22.2842, 0.2695, 0.1369



22.2842, 0.6337, 0.3548



22.2842, 0.2518, 0.6942



22.2842, 0.0642, 0.1503

Rectangle

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



22.2842, 0.2695, 0.1369



22.2842, 0.5867, 0.2477



22.2842, 0.2518, 0.6942



22.2842, 0.0873, 0.3436

Sweetspot

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



22.2829, 0.2695, 0.1369



64.1361, 0.3039, 0.2669



18.1029, 0.1758, 0.1298



12.8036, 0.3023, 0.2572



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.



22.2829, 0.2695, 0.1369



18.7295, 0.2586, 0.1209



28.1490, 0.3738, 0.1958



18.0537, 0.3097, 0.3053



9.5694, 0.2570, 0.1190



0.9838, 0.2646, 0.1231

Inverse Universe

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



24.6032, 0.5299, 0.2906



21.9569, 0.5850, 0.3019



73.1157, 0.2889, 0.5368



18.0630, 0.3254, 0.3230



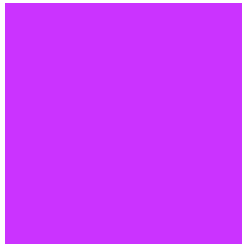
11.3283, 0.5920, 0.3035



1.1198, 0.5605, 0.2861

Previews

White Background



This preview shows how the Yxy color 22.2842, 0.2695, 0.1369 looks on a white background.

Color Contrast Check

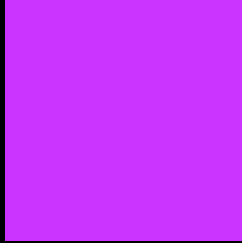
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2842, 0.2695, 0.1369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

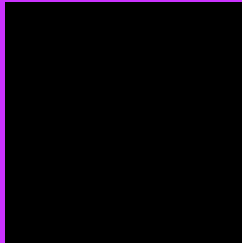
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.2842, 0.2695, 0.1369

Background



This preview shows how black text looks on a background with the Yxy color 22.2842, 0.2695, 0.1369.



This preview shows how white text looks on a background with the Yxy color 22.2842, 0.2695, 0.1369.

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

22.2842, 0.2695, 0.1369

Protanopia

22.7226, 0.1813, 0.1546

Deuteranopia

22.6582, 0.1833, 0.1798



Tritanopia

22.0534, 0.4041, 0.3178

Trichromacy



Original Color

22.2842, 0.2695, 0.1369



Protanomaly

19.0272, 0.1953, 0.1322



Deuteranomaly

17.5072, 0.1863, 0.1385



Tritanomaly

20.5536, 0.3473, 0.2258

Monochromacy



Original Color

22.2842, 0.2695, 0.1369



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

17.5330, 0.2941, 0.2164

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2842, 0.2695, 0.1369 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(203, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(203, 51, 255)  
}
```

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(203, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 51, 255) }
```

Border

The CSS property to change the border of an element to Yxy 22.2842, 0.2695, 0.1369 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(203, 51, 255) }
```

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

```
.border{ border-color:rgb(203, 51, 255) }
```

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

Here you see how a box with a 4 pixel rgb(203, 51, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(203, 51,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2842, 0.2695, 0.1369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 51, 255) }
```

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

```
.background{ background-color: rgb(203, 51,  
255) }
```

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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