

Converting Colors

$Y_{xy}(20.8619, 0.2529, 0.1328)$

Have a look what the booklet for
Yxy(20.8619, 0.2529, 0.1328)
contains.

Yxy(20.8718, 0.2528, 0.1328)	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(20.8718, 0.2528, 0.1328)

Conversions

Conversions Part 1

Format	Color
Hex	B93DFF
RGB	185, 61, 255
RGB Percent	73%, 24%, 100%
CMY	0.2744, 0.7609, 0.0000
CMYK	0.27, 0.76, 0.00, 0.00
HSL	278°, 100%, 62%
HSV	278°, 76%, 100%
XYZ	39.7319, 20.8718, 96.5635
YIQ	120.1920, 11.6300, 86.6220

Conversions

Conversions Part 2

Format	Color
R _Y B	185, 61, 255
Decimal	12140031
CIE Lab	52.81, 77.27, -73.52
CIE LCh	53, 106.652, 316.424
Yxy	20.8718, 0.2528, 0.1328
Android (android.graphics.Color)	4290330111 (0xFFB93DFF)
YUV	120.1920, 66.4603, 56.8366
Hunter-Lab	45.6857, 75.2878, -93.3383

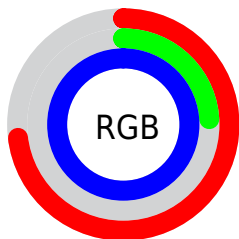
Details

The Yxy color **20.8718, 0.2528, 0.1328** is a light color, and the websafe version is hex **CC33FF**.

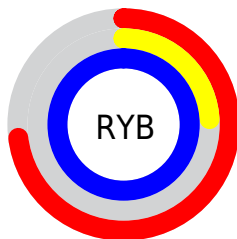
The color can be described as light washed purple. A complement of this color would be **76.6785, 0.3296, 0.5500**, and the grayscale version is **18.6241, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.4876, 0.3106, 0.1999**, and **8.3912, 0.2306, 0.1044** is the 20% darker color. If you saturate the color by 10%, you get **17.6590, 0.2431, 0.1175**, and if you desaturate by 10%, it is **25.4490, 0.2628, 0.1530**.

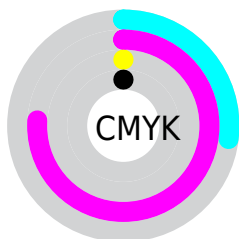
Distribution



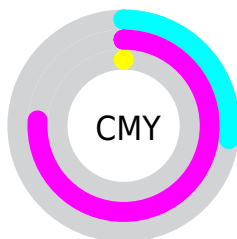
- Red (73%)
- Green (24%)
- Blue (100%)



- Red (73%)
- Yellow (24%)
- Blue (100%)



- Cyan (27%)
- Magenta (76%)
- Yellow (0%)
- Black (0%)





- Cyan (27%)
- Magenta (76%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8718, 0.2528, 0.1328 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 20.8718, 0.2528, 0.1328 by changing the saturation by 10% instead.


 20.8718, 0.2528,
0.1328


 20.8718, 0.2528,
0.1328


256.5964, 0.2890,
0.2206


 13.0303, 0.2427,
0.1149


 44.8741, 0.2670,
0.1618

 7.4494, 0.2294,
0.0944


 61.8037, 0.2720,
0.1736


 3.7447, 0.2116,
0.0713


 82.5314, 0.2762,
0.1839

 1.5318, 0.1873,
0.0462

 107.4417, 0.2796,
0.1930

 0.3110, 0.1547,
0.0159

 136.9190, 0.2826,
0.2011

 0.0000, 0.1091,
0.0000

171.3476, 0.2850,


 0.0000, 0.0153,

0.2083


0.0000


211.1119, 0.2872,
0.2148


 0.0000, 0.0000,
0.0000


 20.8718, 0.2528,
0.1328


 20.8718, 0.2528,
0.1328


 17.6590, 0.2431,
0.1175


 25.4490, 0.2628,
0.1530

 15.6107, 0.2339,
0.1073


 31.5568, 0.2725,
0.1770

 15.0090, 0.2304,
0.1043

 39.3339, 0.2817,
0.2037

 48.9039, 0.2902,
0.2318

 60.3786, 0.2977,
0.2602

 73.8602, 0.3042,
0.2877

 89.4437, 0.3098,
0.3139

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.



20.8718, 0.1366, 0.1075



20.8718, 0.2528, 0.1328



20.8718, 0.4433, 0.1898

Triad

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



20.8718, 0.2528, 0.1328



20.8718, 0.5479, 0.4521



20.8718, 0.0782, 0.2928

Complementary

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



20.8718, 0.2528, 0.1328



76.6785, 0.3296, 0.5500

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.



20.8718, 0.1456, 0.5567



20.8718, 0.2528, 0.1328



20.8718, 0.4079, 0.5921

Square

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



20.8718, 0.2528, 0.1328



20.8718, 0.6384, 0.3456



20.8718, 0.2661, 0.6924



20.8718, 0.0641, 0.1586

Rectangle

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



20.8718, 0.2528, 0.1328



20.8718, 0.5701, 0.2399



20.8718, 0.2661, 0.6924



20.8718, 0.0933, 0.3698

Sweetspot

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



20.8709, 0.2528, 0.1328



64.3242, 0.2998, 0.2688



24.7454, 0.1872, 0.1640



12.7844, 0.2973, 0.2587



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.



20.8709, 0.2528, 0.1328



16.5226, 0.2385, 0.1119



30.2590, 0.3472, 0.1841



17.9536, 0.3080, 0.3052



7.9297, 0.2318, 0.1051



0.8337, 0.2419, 0.1107

Inverse Universe

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



26.2322, 0.4832, 0.2697



22.9250, 0.5322, 0.2762



73.1968, 0.2948, 0.5478



18.0953, 0.3237, 0.3205



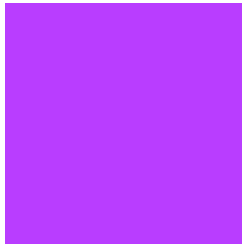
11.5383, 0.5542, 0.2826



1.1435, 0.5229, 0.2654

Previews

White Background



This preview shows how the Yxy color 20.8718, 0.2528, 0.1328 looks on a white background.

Color Contrast Check

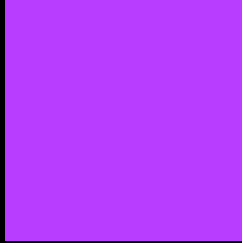
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8718, 0.2528, 0.1328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

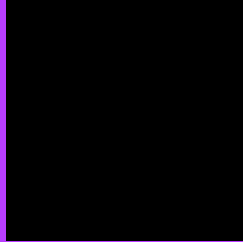
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.8718, 0.2528, 0.1328

Background



This preview shows how black text looks on a background with the Yxy color 20.8718, 0.2528, 0.1328.

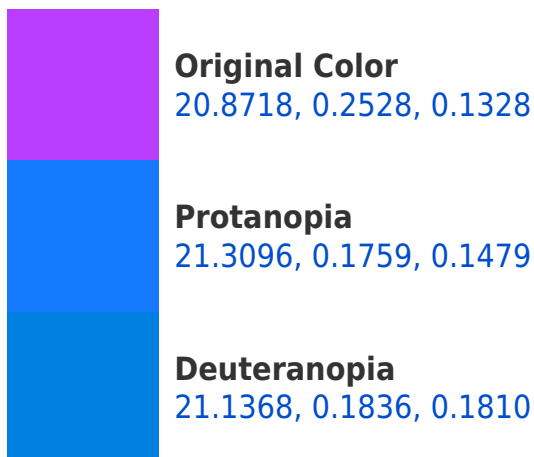


This preview shows how white text looks on a background with the Yxy color 20.8718, 0.2528, 0.1328.

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





Tritanopia

20.6258, 0.3694, 0.3164

Trichromacy



Original Color

20.8718, 0.2528, 0.1328



Protanomaly

18.0837, 0.1846, 0.1284



Deuteranomaly

17.1500, 0.1851, 0.1417



Tritanomaly

19.2393, 0.3190, 0.2219

Monochromacy



Original Color

20.8718, 0.2528, 0.1328



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

17.7175, 0.2870, 0.2199

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8718, 0.2528, 0.1328 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(185, 61, 255)` looks like.

```
.text, #text, p{  
    color:rgb(185, 61, 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(185, 61, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 61, 255) }
```

Border

The CSS property to change the border of an element to Yxy 20.8718, 0.2528, 0.1328 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(185, 61, 255) }
```

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

```
.border{ border-color:rgb(185, 61, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 61, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 61, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 61, 255);  
box-shadow:4px 4px 4px 4px rgb(185, 61,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8718, 0.2528, 0.1328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 61, 255) }
```

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

```
.background{ background-color: rgb(185, 61,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor