

Converting Colors

$Y_{xy}(20.8567, 0.2816, 0.1487)$

Have a look what the booklet for
Yxy(20.8567, 0.2816, 0.1487)
contains.

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Color

Yxy(20.8369, 0.2813, 0.1488)

Conversions

Conversions Part 1

Format	Color
Hex	C53AEA
RGB	197, 58, 234
RGB Percent	77%, 23%, 92%
CMY	0.2275, 0.7725, 0.0823
CMYK	0.16, 0.75, 0.00, 0.08
HSL	287°, 81%, 57%
HSV	287°, 75%, 92%
XYZ	39.3913, 20.8369, 79.8048
YIQ	119.6250, 26.3480, 84.2040

Conversions

Conversions Part 2

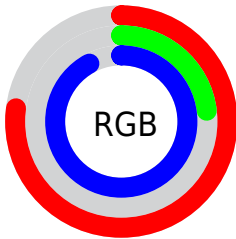
Format	Color
RYB	197, 58, 234
Decimal	12925674
CIELab	52.77, 76.36, -61.75
CIELCh	53, 98.205, 321.037
Yxy	20.8369, 0.2813, 0.1488
Android (android.graphics.Color)	4291115754 (0xFFC53AEA)
YUV	119.6250, 56.3869, 67.8579
Hunter-Lab	45.6475, 74.1527, -71.7026

Details

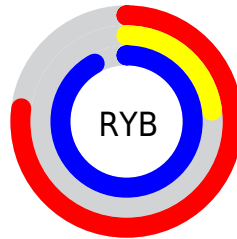
The Yxy color **20.8369, 0.2813, 0.1488** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **61.5990, 0.3158, 0.5571**, and the grayscale version is **18.4683, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.6737, 0.3187, 0.2016**, and **8.5776, 0.2659, 0.1238** is the 20% darker color. If you saturate the color by 10%, you get **18.3363, 0.2756, 0.1358**, and if you desaturate by 10%, it is **24.4321, 0.2869, 0.1663**.

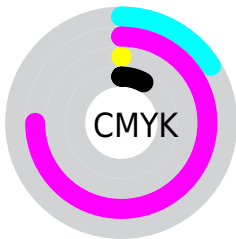
Distribution



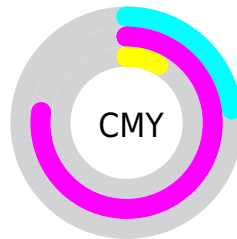
- Red (77%)
- Green (23%)
- Blue (92%)



- Red (77%)
- Yellow (23%)
- Blue (92%)



- Cyan (16%)
- Magenta (75%)
- Yellow (0%)
- Black (8%)





- Cyan (23%)
- Magenta (77%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.8369, 0.2813, 0.1488 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 20.8369, 0.2813, 0.1488 by changing the saturation by 10% instead.


 20.8369, 0.2813,
0.1488


 20.8369, 0.2813,
0.1488


256.4104, 0.3029,
0.2320

 13.0048, 0.2744,
0.1310


 44.8159, 0.2903,
0.1770

 7.4319, 0.2649,
0.1100


 61.7317, 0.2934,
0.1882


 3.7336, 0.2514,
0.0855


 82.4441, 0.2958,
0.1979

 1.5257, 0.2314,
0.0577

 107.3377, 0.2978,
0.2065

 0.3067, 0.2024,
0.0210

 136.7966, 0.2994,
0.2140

 0.0000, 0.1547,
0.0000

171.2055, 0.3008,

 0.0000, 0.0174,

0.2207

0.0000

210.9486, 0.3019,
0.2267

0.0000, 0.0000,
0.0000

20.8369, 0.2813,
0.1488

20.8369, 0.2813,
0.1488

18.3363, 0.2756,
0.1358

24.4321, 0.2869,
0.1663

16.7692, 0.2700,
0.1275

29.2482, 0.2923,
0.1876


16.2303, 0.2674,
0.1247

35.3969, 0.2972,
0.2118


42.9763, 0.3017,
0.2377

52.0755, 0.3055,
0.2643

 62.7759, 0.3088,
0.2907

 75.1533, 0.3115,
0.3162

 89.2786, 0.3137,
0.3403

 96.2158, 0.3163,
0.3498

Harmonies

Analogous

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



20.8369, 0.1585, 0.1190



20.8369, 0.2813, 0.1488



20.8369, 0.4640, 0.2088

Triad

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



20.8369, 0.2813, 0.1488



20.8369, 0.5250, 0.4750



20.8369, 0.0849, 0.2710

Complementary

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



20.8369, 0.2813, 0.1488



61.5990, 0.3158, 0.5571

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.



20.8369, 0.1441, 0.4978



20.8369, 0.2813, 0.1488



20.8369, 0.3940, 0.6060

Square

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



20.8369, 0.2813, 0.1488



20.8369, 0.6151, 0.3668



20.8369, 0.2578, 0.6628



20.8369, 0.0747, 0.1585

Rectangle

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



20.8369, 0.2813, 0.1488



20.8369, 0.5729, 0.2590



20.8369, 0.2578, 0.6628



20.8369, 0.0978, 0.3350

Sweetspot

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



20.8378, 0.2813, 0.1488



65.8525, 0.3063, 0.2699



15.2329, 0.1797, 0.1316



13.1574, 0.3050, 0.2603



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.



20.8378, 0.2813, 0.1488



21.1620, 0.2727, 0.1310



23.9898, 0.3809, 0.2071



15.1446, 0.3104, 0.3055



9.1746, 0.2682, 0.1251



0.7604, 0.2759, 0.1294

Inverse Universe

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



21.3496, 0.5222, 0.2972



22.4683, 0.5802, 0.3044



60.8385, 0.2851, 0.5120



15.1059, 0.3260, 0.3241



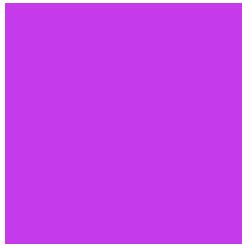
9.9703, 0.6044, 0.3103



0.7967, 0.5665, 0.2895

Previews

White Background



This preview shows how the Yxy color 20.8369, 0.2813, 0.1488 looks on a white background.

Color Contrast Check

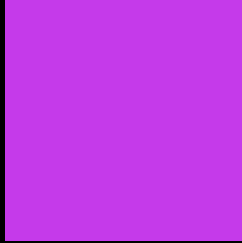
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8369, 0.2813, 0.1488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

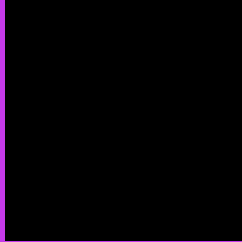
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.8369, 0.2813, 0.1488

Background



This preview shows how black text looks on a background with the Yxy color 20.8369, 0.2813, 0.1488.



This preview shows how white text looks on a background with the Yxy color 20.8369, 0.2813, 0.1488.

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

20.8369, 0.2813, 0.1488

Protanopia

21.3587, 0.1764, 0.1481

Deuteranopia

21.2045, 0.1899, 0.1842



Tritanopia

20.7516, 0.4097, 0.3191

Trichromacy



Original Color

20.8369, 0.2813, 0.1488



Protanomaly

17.7138, 0.1899, 0.1331



Deuteranomaly

17.7882, 0.2044, 0.1540



Tritanomaly

19.6558, 0.3573, 0.2368

Monochromacy



Original Color

20.8369, 0.2813, 0.1488



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

17.4185, 0.3007, 0.2286

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8369, 0.2813, 0.1488 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(197, 58, 234)` looks like.

```
.text, #text, p{  
    color:rgb(197, 58, 234)  
}
```

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(197, 58, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 58, 234) }
```

Border

The CSS property to change the border of an element to Yxy 20.8369, 0.2813, 0.1488 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(197, 58, 234) }
```

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

```
.border{ border-color:rgb(197, 58, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 58, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 58, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 58, 234);  
box-shadow:4px 4px 4px 4px rgb(197, 58,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8369, 0.2813, 0.1488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 58, 234) }
```

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

```
.background{ background-color: rgb(197, 58,  
234) }
```

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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