

Converting Colors

$Y_{xy}(20.6383, 0.2664, 0.1351)$

Have a look what the booklet for
Yxy(20.6383, 0.2664, 0.1351)
contains.

Yxy(20.6383, 0.2664, 0.1351)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.6383, 0.2664, 0.1351)

Conversions

Conversions Part 1

Format	Color
Hex	C331F9
RGB	195, 49, 249
RGB Percent	76%, 19%, 98%
CMY	0.2353, 0.8076, 0.0237
CMYK	0.22, 0.80, 0.00, 0.02
HSL	284°, 94%, 58%
HSV	284°, 80%, 98%
XYZ	40.6961, 20.6383, 91.4287
YIQ	115.4540, 22.8160, 93.1520

Conversions

Conversions Part 2

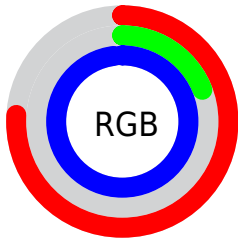
Format	Color
R _Y B	195, 49, 249
Decimal	12792313
CIE Lab	52.55, 81.38, -70.49
CIE LCh	53, 107.663, 319.099
Yxy	20.6383, 0.2664, 0.1351
Android (android.graphics.Color)	4290982393 (0xFFC331F9)
YUV	115.4540, 65.8382, 69.7618
Hunter-Lab	45.4294, 80.4006, -87.5233

Details

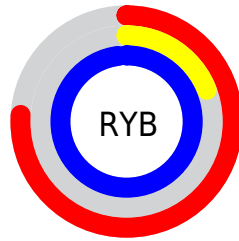
The Yxy color **20.6383, 0.2664, 0.1351** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **70.8339, 0.3193, 0.5652**, and the grayscale version is **17.0877, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.2903, 0.3189, 0.1971**, and **8.9125, 0.2477, 0.1138** is the 20% darker color. If you saturate the color by 10%, you get **18.2227, 0.2591, 0.1235**, and if you desaturate by 10%, it is **24.2441, 0.2738, 0.1515**.

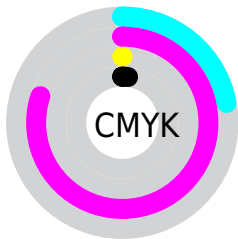
Distribution



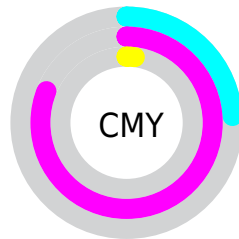
- Red (76%)
- Green (19%)
- Blue (98%)



- Red (76%)
- Yellow (19%)
- Blue (98%)



- Cyan (22%)
- Magenta (80%)
- Yellow (0%)
- Black (2%)




- Cyan (24%)
- Magenta (81%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.6383, 0.2664, 0.1351 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 20.6383, 0.2664, 0.1351 by changing the saturation by 10% instead.


 20.6383, 0.2664,
0.1351


 20.6383, 0.2664,
0.1351


255.3500, 0.2961,
0.2223

 12.8599, 0.2577,
0.1172

 44.4848, 0.2783,
0.1640

 7.3321, 0.2460,
0.0966


 61.3216, 0.2825,
0.1757


 3.6707, 0.2299,
0.0732


 81.9467, 0.2859,
0.1859

 1.4911, 0.2073,
0.0476

 106.7445, 0.2887,
0.1950

 0.2824, 0.1762,
0.0156

 136.0993, 0.2910,
0.2030

 0.0000, 0.1298,
0.0000

170.3955, 0.2930,

 0.0000, 0.0340,

0.2101

0.0000

210.0176, 0.2946,
0.2165

■ 0.0000, 0.0000,
0.0000

■ 20.6383, 0.2664,
0.1351

■ 20.6383, 0.2664,
0.1351

■ 18.2227, 0.2591,
0.1235

■ 24.2441, 0.2738,
0.1515

■ 16.7520, 0.2523,
0.1163

■ 29.2039, 0.2811,
0.1722

■ 35.6575, 0.2880,
0.1962

■ 43.7265, 0.2944,
0.2224

■ 53.5199, 0.3001,
0.2497

65.1368, 0.3050,
0.2769

78.6691, 0.3091,
0.3033

94.2020, 0.3126,
0.3283

99.6171, 0.3162,
0.3348

Harmonies

Analogous

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



20.6383, 0.1426, 0.1070



20.6383, 0.2664, 0.1351



20.6383, 0.4635, 0.1948

Triad

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



20.6383, 0.2664, 0.1351



20.6383, 0.5372, 0.4628



20.6383, 0.0734, 0.2740

Complementary

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



20.6383, 0.2664, 0.1351



70.8339, 0.3193, 0.5652

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.



20.6383, 0.1347, 0.5350



20.6383, 0.2664, 0.1351



20.6383, 0.3937, 0.6063

Square

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



20.6383, 0.2664, 0.1351



20.6383, 0.6365, 0.3525



20.6383, 0.2523, 0.6978



20.6383, 0.0630, 0.1501

Rectangle

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



20.6383, 0.2664, 0.1351



20.6383, 0.5868, 0.2455



20.6383, 0.2523, 0.6978



20.6383, 0.0866, 0.3472

Sweetspot

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



20.6391, 0.2664, 0.1351



63.9747, 0.3032, 0.2668



17.7358, 0.1766, 0.1334



12.7645, 0.3015, 0.2570



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.



20.6391, 0.2664, 0.1351



18.2493, 0.2550, 0.1189



26.7724, 0.3696, 0.1931



17.2752, 0.3095, 0.3053



9.0438, 0.2534, 0.1170



0.8897, 0.2617, 0.1216

Inverse Universe

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



23.3129, 0.5259, 0.2878



22.0072, 0.5800, 0.2992



69.1604, 0.2900, 0.5410



17.3022, 0.3251, 0.3226



11.0190, 0.5869, 0.3007



1.0374, 0.5534, 0.2822

Previews

White Background



This preview shows how the Yxy color 20.6383, 0.2664, 0.1351 looks on a white background.

Color Contrast Check

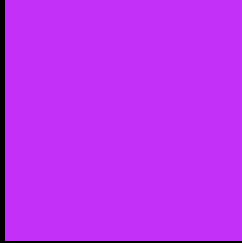
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.6383, 0.2664, 0.1351 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 20.6383, 0.2664, 0.1351

Background



This preview shows how black text looks on a background with the Yxy color 20.6383, 0.2664, 0.1351.



This preview shows how white text looks on a background with the Yxy color 20.6383, 0.2664, 0.1351.

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

20.6383, 0.2664, 0.1351

Protanopia

21.0049, 0.1750, 0.1464

Deuteranopia

20.8746, 0.1832, 0.1795



Tritanopia

20.4094, 0.3997, 0.3173

Trichromacy



Original Color

20.6383, 0.2664, 0.1351



Protanomaly

17.0256, 0.1839, 0.1242



Deuteranomaly

16.2038, 0.1858, 0.1374



Tritanomaly

19.0507, 0.3442, 0.2256

Monochromacy



Original Color

20.6383, 0.2664, 0.1351



Achromatopsia

17.1441, 0.3127, 0.3290



Achromatomaly

16.0918, 0.2922, 0.2143

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6383, 0.2664, 0.1351 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(195, 49, 249)` looks like.

```
.text, #text, p{  
    color:rgb(195, 49, 249)  
}
```

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(195, 49, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 49, 249) }
```

Border

The CSS property to change the border of an element to Yxy 20.6383, 0.2664, 0.1351 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(195, 49, 249) }
```

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

```
.border{ border-color:rgb(195, 49, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 49, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 49, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 49, 249);  
box-shadow:4px 4px 4px 4px rgb(195, 49,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6383, 0.2664, 0.1351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 49, 249) }
```

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

```
.background{ background-color: rgb(195, 49,  
249) }
```

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