

Converting Colors

$Y_{xy}(20.7543, 0.2653, 0.1302)$

Have a look what the booklet for
Yxy(20.7543, 0.2653, 0.1302)
contains.

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Color

Yxy(20.7483, 0.2653, 0.1301)

Conversions

Conversions Part 1

Format	Color
Hex	C726FF
RGB	199, 38, 255
RGB Percent	78%, 15%, 100%
CMY	0.2194, 0.8515, 0.0000
CMYK	0.22, 0.85, 0.00, 0.00
HSL	285°, 100%, 57%
HSV	285°, 85%, 100%
XYZ	42.3099, 20.7483, 96.4214
YIQ	110.8770, 26.2990, 101.6190

Conversions

Conversions Part 2

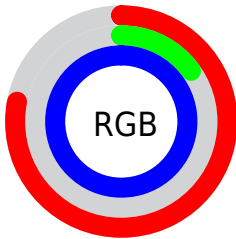
Format	Color
R_{YB}	199, 38, 255
Decimal	13051647
CIE _{Lab}	52.67, 85.77, -73.66
CIE _{LCh}	53, 113.056, 319.344
Yxy	20.7483, 0.2653, 0.1301
Android (android.graphics.Color)	4291241727 (0xFFC726FF)
YUV	110.8770, 71.0526, 77.2839
Hunter-Lab	45.5503, 86.0888, -93.6205

Details

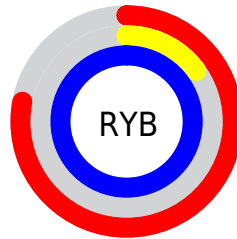
The Yxy color **20.7483, 0.2653, 0.1301** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **74.0300, 0.3163, 0.5752**, and the grayscale version is **15.6255, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.2051, 0.3191, 0.1935**, and **9.5202, 0.2473, 0.1136** is the 20% darker color. If you saturate the color by 10%, you get **18.7601, 0.2585, 0.1211**, and if you desaturate by 10%, it is **23.8833, 0.2724, 0.1439**.

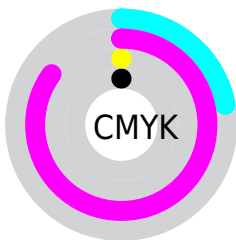
Distribution



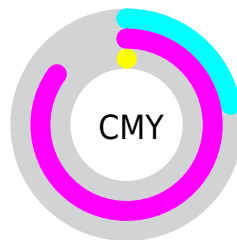
- Red (78%)
- Green (15%)
- Blue (100%)



- Red (78%)
- Yellow (15%)
- Blue (100%)



- Cyan (22%)
- Magenta (85%)
- Yellow (0%)
- Black (0%)




- Cyan (22%)
- Magenta (85%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7483, 0.2653, 0.1301 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 20.7483, 0.2653, 0.1301 by changing the saturation by 10% instead.


 20.7483, 0.2653,
0.1301


 20.7483, 0.2653,
0.1301


255.9378, 0.2957,
0.2183


 12.9401, 0.2564,
0.1123


 44.6683, 0.2775,
0.1591

 7.3873, 0.2446,
0.0920


 61.5488, 0.2818,
0.1709

 3.7055, 0.2285,
0.0692


 82.2224, 0.2853,
0.1812

 1.5102, 0.2060,
0.0446

 107.0732, 0.2881,
0.1904

 0.2959, 0.1753,
0.0148

 136.4858, 0.2905,
0.1986

 0.0000, 0.1304,
0.0000

170.8445, 0.2925,

 0.0000, 0.0518,

0.2058

0.0000

210.5337, 0.2942,
0.2124

■ 0.0000, 0.0000,
0.0000

■ 20.7483, 0.2653,
0.1301

■ 20.7483, 0.2653,
0.1301

■ 18.7601, 0.2585,
0.1211

■ 23.8833, 0.2724,
0.1439

■ 18.0748, 0.2552,
0.1180

■ 28.3686, 0.2794,
0.1624

■ 34.3618, 0.2862,
0.1847

■ 42.0001, 0.2925,
0.2098

■ 51.4049, 0.2982,
0.2365

62.6861, 0.3032,
0.2638

75.9445, 0.3075,
0.2906

91.2737, 0.3111,
0.3163

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.



20.7483, 0.1381, 0.1016



20.7483, 0.2653, 0.1301



20.7483, 0.4713, 0.1906

Triad

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



20.7483, 0.2653, 0.1301



20.7483, 0.5384, 0.4616



20.7483, 0.0666, 0.2680

Complementary

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



20.7483, 0.2653, 0.1301



74.0300, 0.3163, 0.5752

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.



20.7483, 0.1259, 0.5436



20.7483, 0.2653, 0.1301



20.7483, 0.3878, 0.6122

Square

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



20.7483, 0.2653, 0.1301



20.7483, 0.6454, 0.3486



20.7483, 0.2434, 0.7146



20.7483, 0.0577, 0.1431

Rectangle

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



20.7483, 0.2653, 0.1301



20.7483, 0.5996, 0.2417



20.7483, 0.2434, 0.7146



20.7483, 0.0791, 0.3439

Sweetspot

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



20.7461, 0.2653, 0.1301



61.6484, 0.3029, 0.2614



15.9544, 0.1699, 0.1178



12.3244, 0.3012, 0.2520



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.



20.7461, 0.2653, 0.1301



18.0748, 0.2552, 0.1180



27.0141, 0.3786, 0.1934



18.0510, 0.3096, 0.3053



9.5199, 0.2563, 0.1186



0.9793, 0.2640, 0.1228

Inverse Universe

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



23.4434, 0.5483, 0.2925



21.6500, 0.5952, 0.3052



72.6432, 0.2897, 0.5489



18.0639, 0.3254, 0.3229



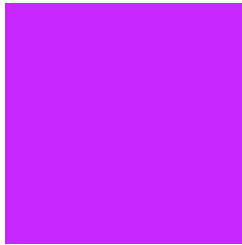
11.3330, 0.5911, 0.3030



1.1203, 0.5595, 0.2856

Previews

White Background



This preview shows how the Yxy color 20.7483, 0.2653, 0.1301 looks on a white background.

Color Contrast Check

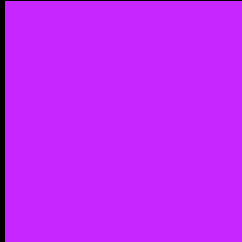
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7483, 0.2653, 0.1301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

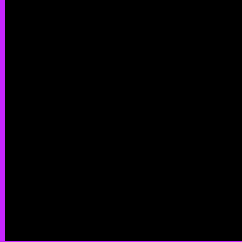
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7483, 0.2653, 0.1301

Background



This preview shows how black text looks on a background with the Yxy color 20.7483, 0.2653, 0.1301.



This preview shows how white text looks on a background with the Yxy color 20.7483, 0.2653, 0.1301.

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

20.7483, 0.2653, 0.1301

Protanopia

21.2775, 0.1756, 0.1478

Deuteranopia

21.1368, 0.1836, 0.1810



Tritanopia

20.5355, 0.4056, 0.3175

Trichromacy



Original Color

20.7483, 0.2653, 0.1301



Protanomaly

16.5870, 0.1837, 0.1198



Deuteranomaly

15.7996, 0.1848, 0.1327



Tritanomaly

18.8568, 0.3473, 0.2196

Monochromacy



Original Color

20.7483, 0.2653, 0.1301



Achromatopsia

15.8961, 0.3127, 0.3290



Achromatomaly

14.8246, 0.2918, 0.2050

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7483, 0.2653, 0.1301 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(199, 38, 255)` looks like.

```
.text, #text, p{  
    color:rgb(199, 38, 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(199, 38, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 38, 255) }
```

Border

The CSS property to change the border of an element to Yxy 20.7483, 0.2653, 0.1301 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(199, 38, 255) }
```

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

```
.border{ border-color:rgb(199, 38, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 38, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 38, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 38, 255);  
box-shadow:4px 4px 4px 4px rgb(199, 38,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7483, 0.2653, 0.1301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 38, 255) }
```

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

```
.background{ background-color: rgb(199, 38,  
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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