

Converting Colors

$Y_{xy}(27.5896, 0.2666, 0.1646)$

Have a look what the booklet for
Yxy(27.5896, 0.2666, 0.1646)
contains.

Yxy(27.5541, 0.2664, 0.1648)	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(27.5541, 0.2664, 0.1648)

Conversions

Conversions Part 1

Format	Color
Hex	C363FC
RGB	195, 99, 252
RGB Percent	76%, 39%, 99%
CMY	0.2353, 0.6118, 0.0116
CMYK	0.23, 0.61, 0.00, 0.01
HSL	278°, 96%, 69%
HSV	278°, 61%, 99%
XYZ	44.5413, 27.5541, 95.1018
YIQ	145.1460, 8.1030, 67.9350

Conversions

Conversions Part 2

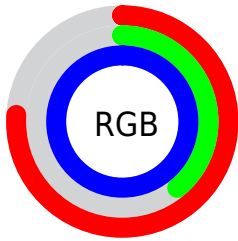
Format	Color
R _Y B	195, 99, 252
Decimal	12805116
CIE Lab	59.48, 63.01, -61.03
CIE LCh	59, 87.723, 315.912
Yxy	27.5541, 0.2664, 0.1648
Android (android.graphics.Color)	4290995196 (0xFFC363FC)
YUV	145.1460, 52.6790, 43.7220
Hunter-Lab	52.4920, 59.6026, -70.6736

Details

The Yxy color **27.5541, 0.2664, 0.1648** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **77.6217, 0.3330, 0.5089**, and the grayscale version is **28.1573, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.5912, 0.3173, 0.2311**, and **10.9862, 0.2484, 0.1298** is the 20% darker color. If you saturate the color by 10%, you get **22.2895, 0.2562, 0.1422**, and if you desaturate by 10%, it is **34.3891, 0.2762, 0.1907**.

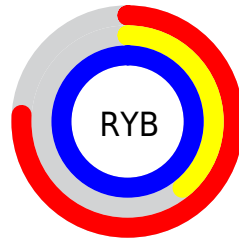
Distribution



Red (76%)

Green (39%)

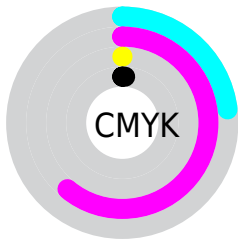
Blue (99%)



Red (76%)

Yellow (39%)

Blue (99%)

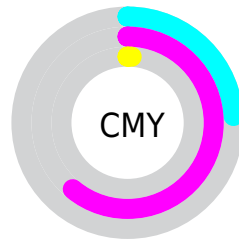


Cyan (23%)

Magenta (61%)

Yellow (0%)

Black (1%)



Cyan (24%)


Magenta (61%)


Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.5541, 0.2664, 0.1648 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 27.5541, 0.2664, 0.1648 by changing the saturation by 10% instead.

 27.5541, 0.2664,
0.1648


 27.5541, 0.2664,
0.1648


290.3301, 0.2936,
0.2396


 17.9898, 0.2588,
0.1488


 55.7717, 0.2770,
0.1901


 10.9427, 0.2489,
0.1298


 75.1939, 0.2808,
0.2001

 6.0283, 0.2354,
0.1073


 98.6708, 0.2839,
0.2089

 2.8623, 0.2165,
0.0809

 126.5868, 0.2865,
0.2166

 1.0603, 0.1894,
0.0511

159.3263, 0.2887,
0.2234

 0.0000, 0.1531,
0.0000

197.2738, 0.2906,


 0.0000, 0.0830,


0.2294

0.0000


240.8136, 0.2922,
0.2348


 0.0000, 0.0000,
0.0000


 27.5541, 0.2664,
0.1648

 27.5541, 0.2664,
0.1648


 22.2895, 0.2562,
0.1422


 34.3891, 0.2762,
0.1907


 18.4468, 0.2460,
0.1240


 42.9182, 0.2854,
0.2185

 15.8534, 0.2362,
0.1108

 53.2559, 0.2936,
0.2470

 14.3089, 0.2277,
0.1028

 65.5059, 0.3009,
0.2751

 79.7638, 0.3071,
0.3020

96.1184, 0.3124,
0.3273

99.8110, 0.3144,
0.3318

Harmonies

Analogous

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



27.5541, 0.1669, 0.1418



27.5541, 0.2664, 0.1648



27.5541, 0.4125, 0.2162

Triad

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



27.5541, 0.2664, 0.1648



27.5541, 0.5239, 0.4555



27.5541, 0.1208, 0.3128

Complementary

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



27.5541, 0.2664, 0.1648



77.6217, 0.3330, 0.5089

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.



27.5541, 0.1896, 0.4953



27.5541, 0.2664, 0.1648



27.5541, 0.4189, 0.5548

Square

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



27.5541, 0.2664, 0.1648



27.5541, 0.5807, 0.3648



27.5541, 0.2999, 0.6019



27.5541, 0.1005, 0.1973

Rectangle

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



27.5541, 0.2664, 0.1648



27.5541, 0.5080, 0.2621



27.5541, 0.2999, 0.6019



27.5541, 0.1378, 0.3698

Sweetspot

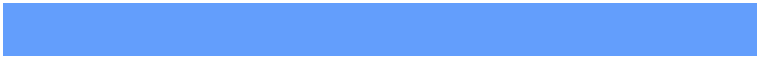
The Sweet Spot groups the original color and five complimentary colors.



27.5552, 0.2664, 0.1648



71.0280, 0.3027, 0.2825



34.0232, 0.2105, 0.2052



14.3395, 0.3007, 0.2745



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.



27.5552, 0.2664, 0.1648



21.8478, 0.2538, 0.1375



35.5781, 0.3366, 0.2012



17.1824, 0.3078, 0.3052



7.5377, 0.2291, 0.1036



0.7585, 0.2400, 0.1096

Inverse Universe

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



32.0288, 0.4303, 0.2723



27.3398, 0.4694, 0.2675



73.5814, 0.2968, 0.5058



17.3322, 0.3235, 0.3202



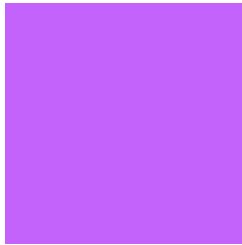
11.2270, 0.5492, 0.2799



1.0596, 0.5167, 0.2620

Previews

White Background



This preview shows how the Yxy color 27.5541, 0.2664, 0.1648 looks on a white background.

Color Contrast Check

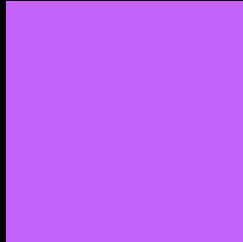
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.5541, 0.2664, 0.1648 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

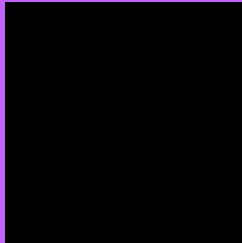
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.5541, 0.2664, 0.1648

Background



This preview shows how black text looks on a background with the Yxy color 27.5541, 0.2664, 0.1648.



This preview shows how white text looks on a background with the Yxy color 27.5541, 0.2664, 0.1648.

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

27.5541, 0.2664, 0.1648

Protanopia

28.0509, 0.1992, 0.1777

Deuteranopia

28.0615, 0.1984, 0.1927



Tritanopia

27.5028, 0.3552, 0.3146

Trichromacy



Original Color

27.5541, 0.2664, 0.1648



Protanomaly

26.3350, 0.2159, 0.1673



Deuteranomaly

25.8052, 0.2134, 0.1745



Tritanomaly

26.7202, 0.3199, 0.2463

Monochromacy



Original Color

27.5541, 0.2664, 0.1648



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

26.6856, 0.2942, 0.2494

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5541, 0.2664, 0.1648 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, 99, 252)` looks like.

```
.text, #text, p{  
    color:rgb(195, 99, 252)  
}
```

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, 99, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 99, 252) }
```

Border

The CSS property to change the border of an element to Yxy 27.5541, 0.2664, 0.1648 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, 99, 252) }
```

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

```
.border{ border-color:rgb(195, 99, 252) }
```

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

Here you see how a box with a 4 pixel rgb(195, 99, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 99, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 99, 252);  
box-shadow:4px 4px 4px 4px rgb(195, 99,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5541, 0.2664, 0.1648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 99, 252) }
```

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

```
.background{ background-color: rgb(195, 99,  
252) }
```

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