

Converting Colors

$Y_{xy}(29.2598, 0.2705, 0.1681)$

Have a look what the booklet for
Yxy(29.2598, 0.2705, 0.1681)
contains.

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Color

Yxy(29.2793, 0.2707, 0.1681)

Conversions

Conversions Part 1

Format	Color
Hex	CA66FF
RGB	202, 102, 255
RGB Percent	79%, 40%, 100%
CMY	0.2079, 0.5999, 0.0001
CMYK	0.21, 0.60, 0.00, 0.00
HSL	279°, 100%, 70%
HSV	279°, 60%, 100%
XYZ	47.1499, 29.2793, 97.7486
YIQ	149.3420, 10.4870, 68.7830

Conversions

Conversions Part 2

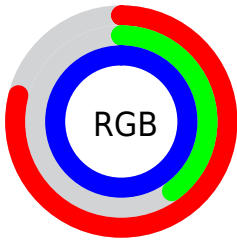
Format	Color
R _Y B	202, 102, 255
Decimal	13264639
CIE Lab	61.03, 63.79, -60.13
CIE LCh	61, 87.666, 316.693
Yxy	29.2793, 0.2707, 0.1681
Android (android.graphics.Color)	4291454719 (0xFFCA66FF)
YUV	149.3420, 52.0894, 46.1811
Hunter-Lab	54.1104, 60.8458, -69.2282

Details

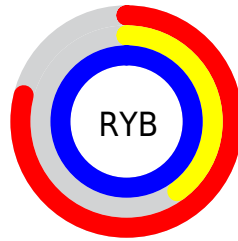
The Yxy color **29.2793, 0.2707, 0.1681** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **79.4316, 0.3306, 0.5082**, and the grayscale version is **29.9829, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.5939, 0.3172, 0.2338**, and **11.8373, 0.2551, 0.1341** is the 20% darker color. If you saturate the color by 10%, you get **23.8173, 0.2612, 0.1457**, and if you desaturate by 10%, it is **36.3548, 0.2798, 0.1937**.

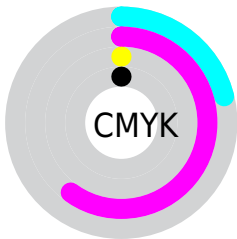
Distribution



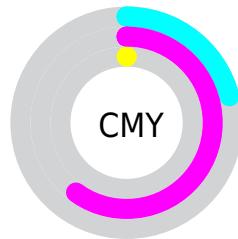
- Red (79%)
- Green (40%)
- Blue (100%)



- Red (79%)
- Yellow (40%)
- Blue (100%)



- Cyan (21%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)




- Cyan (21%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.2793, 0.2707, 0.1681 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 29.2793, 0.2707, 0.1681 by changing the saturation by 10% instead.


 29.2793, 0.2707,
0.1681


 29.2793, 0.2707,
0.1681


298.5305, 0.2955,
0.2410

 19.2922, 0.2638,
0.1525


 58.5205, 0.2803,
0.1927


 11.8816, 0.2547,
0.1341


 78.5435, 0.2838,
0.2024

 6.6631, 0.2424,
0.1122


 102.6805, 0.2866,
0.2110

 3.2523, 0.2251,
0.0864

 131.3160, 0.2890,
0.2185

 1.2648, 0.2001,
0.0568

164.8343, 0.2910,
0.2251

 0.1137, 0.1659,
0.0096

203.6199, 0.2927,


 0.0000, 0.1067,


0.2310


0.0000


248.0572, 0.2942,
0.2363


 0.0000, 0.0000,
0.0000


 29.2793, 0.2707,
0.1681


 29.2793, 0.2707,
0.1681


 23.8173, 0.2612,
0.1457


 36.3548, 0.2798,
0.1937


 19.8177, 0.2517,
0.1277


 45.1692, 0.2882,
0.2212


 17.1059, 0.2424,
0.1146

 55.8396, 0.2957,
0.2494

 15.3956, 0.2337,
0.1061

 68.4715, 0.3023,
0.2772

 15.3932, 0.2337,
0.1061

 83.1624, 0.3080,
0.3039

99.9952, 0.3127,
0.3290

99.9981, 0.3127,
0.3290

Harmonies

Analogous

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



29.2793, 0.1711, 0.1445



29.2793, 0.2707, 0.1681



29.2793, 0.4147, 0.2197

Triad

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



29.2793, 0.2707, 0.1681



29.2793, 0.5194, 0.4578



29.2793, 0.1227, 0.3097

Complementary

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



29.2793, 0.2707, 0.1681



79.4316, 0.3306, 0.5082

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.



29.2793, 0.1898, 0.4868



29.2793, 0.2707, 0.1681



29.2793, 0.4158, 0.5542

Square

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



29.2793, 0.2707, 0.1681



29.2793, 0.5760, 0.3678



29.2793, 0.2984, 0.5954



29.2793, 0.1033, 0.1979

Rectangle

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



29.2793, 0.2707, 0.1681



29.2793, 0.5073, 0.2654



29.2793, 0.2984, 0.5954



29.2793, 0.1392, 0.3647

Sweetspot

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



29.2805, 0.2707, 0.1681



71.2376, 0.3035, 0.2826



33.6739, 0.2101, 0.2002



14.3908, 0.3017, 0.2747



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.



29.2805, 0.2707, 0.1681



22.9040, 0.2593, 0.1417



36.5909, 0.3414, 0.2063



17.9669, 0.3082, 0.3052



8.1315, 0.2351, 0.1069



0.8525, 0.2449, 0.1123

Inverse Universe

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



33.1303, 0.4336, 0.2768



27.5672, 0.4733, 0.2724



75.8076, 0.2948, 0.4974



18.0910, 0.3240, 0.3208



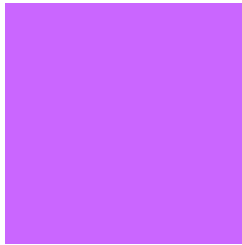
11.5053, 0.5597, 0.2857



1.1399, 0.5281, 0.2683

Previews

White Background



This preview shows how the Yxy color 29.2793, 0.2707, 0.1681 looks on a white background.

Color Contrast Check

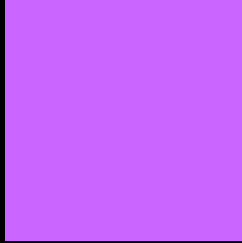
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.2793, 0.2707, 0.1681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

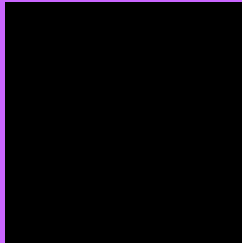
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.2793, 0.2707, 0.1681

Background



This preview shows how black text looks on a background with the Yxy color 29.2793, 0.2707, 0.1681.

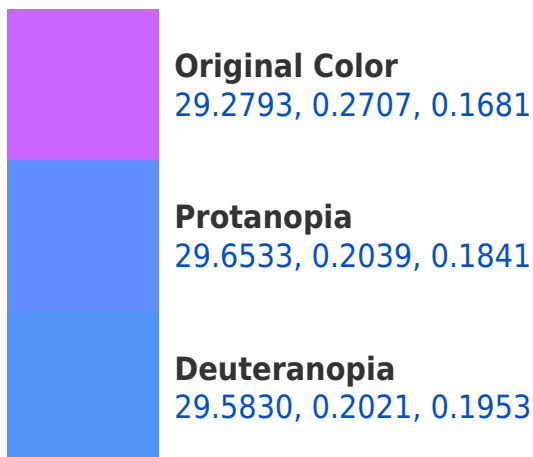


This preview shows how white text looks on a background with the Yxy color 29.2793, 0.2707, 0.1681.

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

28.9486, 0.3603, 0.3150

Trichromacy



Original Color

29.2793, 0.2707, 0.1681



Protanomaly

28.0714, 0.2214, 0.1732



Deuteranomaly

27.4321, 0.2183, 0.1778



Tritanomaly

28.4561, 0.3242, 0.2487

Monochromacy



Original Color

29.2793, 0.2707, 0.1681



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

28.4582, 0.2956, 0.2513

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2793, 0.2707, 0.1681 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(202, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 102, 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(202, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 102, 255) }
```

Border

The CSS property to change the border of an element to Yxy 29.2793, 0.2707, 0.1681 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(202, 102, 255) }
```

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

```
.border{ border-color:rgb(202, 102, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(202, 102,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 29.2793, 0.2707, 0.1681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 102, 255) }
```

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

```
.background{ background-color: rgb(202,  
102, 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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