

Converting Colors

$Y_{xy}(29.2537, 0.2669, 0.1688)$

Have a look what the booklet for
Yxy(29.2537, 0.2669, 0.1688)
contains.

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Color

Yxy(29.3289, 0.2673, 0.1690)

Conversions

Conversions Part 1

Format	Color
Hex	C669FF
RGB	198, 105, 255
RGB Percent	78%, 41%, 100%
CMY	0.2236, 0.5882, 0.0000
CMYK	0.22, 0.59, 0.00, 0.00
HSL	277°, 100%, 71%
HSV	277°, 59%, 100%
XYZ	46.3883, 29.3289, 97.8266
YIQ	149.9070, 7.2780, 66.3660

Conversions

Conversions Part 2

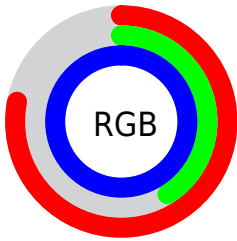
Format	Color
R_{YB}	198, 105, 255
Decimal	13003263
CIE _{Lab}	61.07, 61.46, -60.11
CIE _{LCh}	61, 85.968, 315.639
Yxy	29.3289, 0.2673, 0.1690
Android (android.graphics.Color)	4291193343 (0xFFC669FF)
YUV	149.9070, 51.8108, 42.1776
Hunter-Lab	54.1562, 58.1235, -69.1910

Details

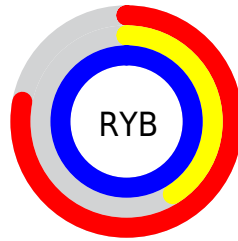
The Yxy color **29.3289, 0.2673, 0.1690** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **80.2236, 0.3337, 0.5030**, and the grayscale version is **30.2332, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.6216, 0.3171, 0.2366**, and **11.8879, 0.2507, 0.1353** is the 20% darker color. If you saturate the color by 10%, you get **23.6152, 0.2569, 0.1455**, and if you desaturate by 10%, it is **36.6854, 0.2772, 0.1955**.

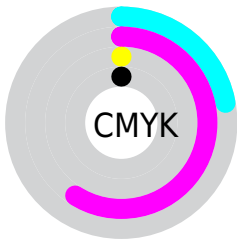
Distribution



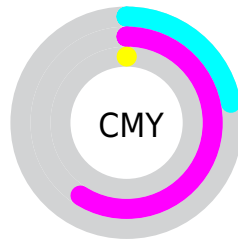
- Red (78%)
- Green (41%)
- Blue (100%)



- Red (78%)
- Yellow (41%)
- Blue (100%)



- Cyan (22%)
- Magenta (59%)
- Yellow (0%)
- Black (0%)





- Cyan (22%)
- Magenta (59%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.3289, 0.2673, 0.1690 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 29.3289, 0.2673, 0.1690 by changing the saturation by 10% instead.


 29.3289, 0.2673,
0.1690


 29.3289, 0.2673,
0.1690


298.7636, 0.2937,
0.2417


 19.3298, 0.2601,
0.1534


 58.5992, 0.2775,
0.1935

 11.9088, 0.2505,
0.1350


 78.6392, 0.2811,
0.2033

 6.6816, 0.2377,
0.1131


 102.7950, 0.2842,
0.2118

 3.2638, 0.2198,
0.0871

 131.4509, 0.2867,
0.2192

 1.2710, 0.1942,
0.0574

164.9913, 0.2889,
0.2258

 0.1185, 0.1592,
0.0101

203.8006, 0.2907,


 0.0000, 0.0983,

0.2317


0.0000


248.2633, 0.2923,
0.2370


 0.0000, 0.0000,
0.0000


 29.3289, 0.2673,
0.1690

 29.3289, 0.2673,
0.1690


 23.6152, 0.2569,
0.1455


 36.6854, 0.2772,
0.1955


 19.3961, 0.2465,
0.1263


 45.8098, 0.2864,
0.2236


 16.5004, 0.2364,
0.1120

 56.8177, 0.2947,
0.2522

 14.6789, 0.2270,
0.1028

 69.8140, 0.3019,
0.2802

 14.4969, 0.2259,
0.1018

 84.8958, 0.3081,
0.3069

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.



29.3289, 0.1706, 0.1467



29.3289, 0.2673, 0.1690



29.3289, 0.4077, 0.2192

Triad

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



29.3289, 0.2673, 0.1690



29.3289, 0.5202, 0.4541



29.3289, 0.1271, 0.3159

Complementary

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



29.3289, 0.2673, 0.1690



80.2236, 0.3337, 0.5030

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.



29.3289, 0.1956, 0.4892



29.3289, 0.2673, 0.1690



29.3289, 0.4196, 0.5484

Square

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



29.3289, 0.2673, 0.1690



29.3289, 0.5725, 0.3657



29.3289, 0.3038, 0.5905



29.3289, 0.1060, 0.2029

Rectangle

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



29.3289, 0.2673, 0.1690



29.3289, 0.4995, 0.2643



29.3289, 0.3038, 0.5905



29.3289, 0.1441, 0.3705

Sweetspot

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



29.3298, 0.2673, 0.1690



70.9700, 0.3024, 0.2825



36.2434, 0.2135, 0.2098



14.3253, 0.3005, 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.



29.3298, 0.2673, 0.1690



22.5731, 0.2547, 0.1409



37.5091, 0.3357, 0.2042



17.9354, 0.3077, 0.3051



7.6633, 0.2274, 0.1026



0.8089, 0.2379, 0.1084

Inverse Universe

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



33.9747, 0.4234, 0.2723



28.1270, 0.4609, 0.2666



75.9417, 0.2971, 0.4998



18.1013, 0.3234, 0.3200



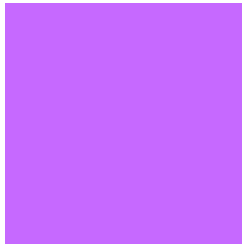
11.5858, 0.5465, 0.2784



1.1485, 0.5157, 0.2614

Previews

White Background



This preview shows how the Yxy color 29.3289, 0.2673, 0.1690 looks on a white background.

Color Contrast Check

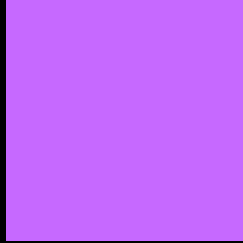
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.3289, 0.2673, 0.1690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

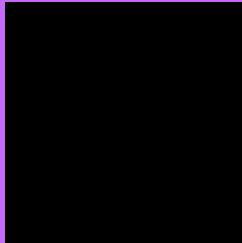
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.3289, 0.2673, 0.1690

Background



This preview shows how black text looks on a background with the Yxy color 29.3289, 0.2673, 0.1690.



This preview shows how white text looks on a background with the Yxy color 29.3289, 0.2673, 0.1690.

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

29.3289, 0.2673, 0.1690

Protanopia

29.7079, 0.2043, 0.1842

Deuteranopia

29.8542, 0.2021, 0.1966



Tritanopia

29.1066, 0.3518, 0.3134

Trichromacy



Original Color

29.3289, 0.2673, 0.1690



Protanomaly

28.2536, 0.2210, 0.1741



Deuteranomaly

27.8256, 0.2175, 0.1799



Tritanomaly

28.5253, 0.3176, 0.2478

Monochromacy



Original Color

29.3289, 0.2673, 0.1690



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

28.8965, 0.2947, 0.2539

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3289, 0.2673, 0.1690 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(198, 105, 255)` looks like.

```
.text, #text, p{  
    color:rgb(198, 105, 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(198, 105, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 105, 255) }
```

Border

The CSS property to change the border of an element to Yxy 29.3289, 0.2673, 0.1690 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(198, 105, 255) }
```

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

```
.border{ border-color:rgb(198, 105, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 105, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 105, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 105, 255);  
box-shadow:4px 4px 4px 4px rgb(198, 105,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 29.3289, 0.2673, 0.1690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 105, 255) }
```

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

```
.background{ background-color: rgb(198,  
105, 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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