

Converting Colors

$Y_{xy}(29.2745, 0.2651, 0.1660)$

Have a look what the booklet for
Yxy(29.2745, 0.2651, 0.1660)
contains.

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Color

Yxy(29.1264, 0.2672, 0.1682)

Conversions

Conversions Part 1

Format	Color
Hex	C668FF
RGB	198, 104, 255
RGB Percent	78%, 41%, 100%
CMY	0.2238, 0.5919, 0.0001
CMYK	0.22, 0.59, 0.00, 0.00
HSL	277°, 100%, 70%
HSV	277°, 59%, 100%
XYZ	46.2698, 29.1264, 97.7691
YIQ	149.3200, 7.5530, 66.8890

Conversions

Conversions Part 2

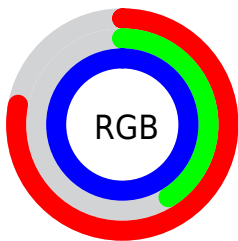
Format	Color
R _Y B	198, 104, 255
Decimal	13003007
CIE Lab	60.89, 61.89, -60.38
CIE LCh	61, 86.464, 315.712
Yxy	29.1264, 0.2672, 0.1682
Android (android.graphics.Color)	4291193087 (0xFFC668FF)
YUV	149.3200, 52.1002, 42.6924
Hunter-Lab	53.9689, 58.5899, -69.6306

Details

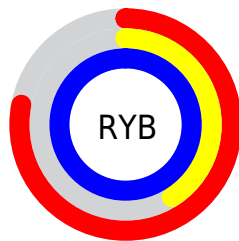
The Yxy color **29.1264, 0.2672, 0.1682** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **80.0942, 0.3335, 0.5042**, and the grayscale version is **29.9761, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.2763, 0.3171, 0.2357**, and **11.8033, 0.2507, 0.1345** is the 20% darker color. If you saturate the color by 10%, you get **23.4756, 0.2569, 0.1449**, and if you desaturate by 10%, it is **36.4143, 0.2771, 0.1946**.

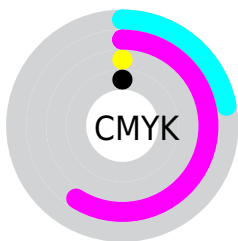
Distribution



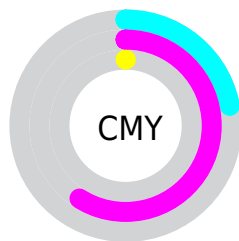
- Red (78%)
- Green (41%)
- Blue (100%)



- 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 29.1264, 0.2672, 0.1682 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 29.1264, 0.2672, 0.1682 by changing the saturation by 10% instead.


 29.1264, 0.2672,
0.1682


 29.1264, 0.2672,
0.1682


297.8109, 0.2937,
0.2412

 19.1765, 0.2599,
0.1526


 58.2779, 0.2774,
0.1928


 11.7979, 0.2504,
0.1341


 78.2482, 0.2811,
0.2026

 6.6062, 0.2374,
0.1121


 102.3274, 0.2841,
0.2112

 3.2171, 0.2195,
0.0861

 130.8999, 0.2867,
0.2187

 1.2461, 0.1937,
0.0564

164.3501, 0.2889,
0.2253

 0.0989, 0.1587,
0.0084

203.0624, 0.2907,

 0.0000, 0.0972,


0.2312

0.0000


247.4212, 0.2923,
0.2365


 0.0000, 0.0000,
0.0000


 29.1264, 0.2672,
0.1682


 29.1264, 0.2672,
0.1682


 23.4756, 0.2569,
0.1449


 36.4143, 0.2771,
0.1946


 19.3122, 0.2465,
0.1258


 45.4641, 0.2863,
0.2226

 16.4641, 0.2365,
0.1118

 56.3921, 0.2945,
0.2512

 14.6715, 0.2271,
0.1027

 69.3034, 0.3017,
0.2792

 14.5462, 0.2264,
0.1021

 84.2954, 0.3079,
0.3060

99.9984, 0.3127,
0.3290

Harmonies

Analogous

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



29.1264, 0.1700, 0.1457



29.1264, 0.2672, 0.1682



29.1264, 0.4087, 0.2187

Triad

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



29.1264, 0.2672, 0.1682



29.1264, 0.5209, 0.4545



29.1264, 0.1258, 0.3152

Complementary

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



29.1264, 0.2672, 0.1682



80.0942, 0.3335, 0.5042

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.



29.1264, 0.1944, 0.4903



29.1264, 0.2672, 0.1682



29.1264, 0.4194, 0.5497

Square

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



29.1264, 0.2672, 0.1682



29.1264, 0.5741, 0.3656



29.1264, 0.3030, 0.5927



29.1264, 0.1049, 0.2018

Rectangle

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



29.1264, 0.2672, 0.1682



29.1264, 0.5012, 0.2639



29.1264, 0.3030, 0.5927



29.1264, 0.1429, 0.3703

Sweetspot

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



29.1275, 0.2672, 0.1682



70.9861, 0.3025, 0.2825



35.9761, 0.2129, 0.2089



14.3292, 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.



29.1275, 0.2672, 0.1682



22.6192, 0.2550, 0.1411



37.3053, 0.3359, 0.2036



17.9373, 0.3077, 0.3051



7.6906, 0.2279, 0.1029



0.8114, 0.2383, 0.1087

Inverse Universe

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



33.7467, 0.4248, 0.2724



28.1159, 0.4614, 0.2669



75.8479, 0.2970, 0.5010



18.1007, 0.3235, 0.3200



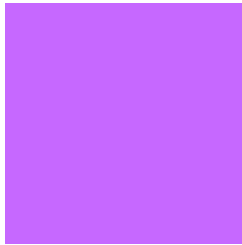
11.5807, 0.5473, 0.2789



1.1480, 0.5164, 0.2619

Previews

White Background



This preview shows how the Yxy color 29.1264, 0.2672, 0.1682 looks on a white background.

Color Contrast Check

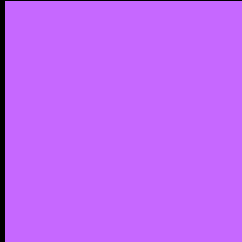
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.1264, 0.2672, 0.1682 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

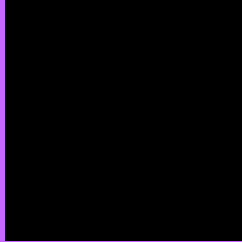
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.1264, 0.2672, 0.1682

Background



This preview shows how black text looks on a background with the Yxy color 29.1264, 0.2672, 0.1682.



This preview shows how white text looks on a background with the Yxy color 29.1264, 0.2672, 0.1682.

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

29.1264, 0.2672, 0.1682

Protanopia

29.6533, 0.2039, 0.1841

Deuteranopia

29.4959, 0.2014, 0.1951



Tritanopia

29.0756, 0.3530, 0.3148

Trichromacy



Original Color

29.1264, 0.2672, 0.1682



Protanomaly

27.9071, 0.2201, 0.1727



Deuteranomaly

27.4797, 0.2167, 0.1784



Tritanomaly

28.4829, 0.3186, 0.2489

Monochromacy



Original Color

29.1264, 0.2672, 0.1682



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

28.6214, 0.2946, 0.2525

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1264, 0.2672, 0.1682 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, 104, 255)` looks like.

```
.text, #text, p{  
    color:rgb(198, 104, 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, 104, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 104, 255) }
```

Border

The CSS property to change the border of an element to Yxy 29.1264, 0.2672, 0.1682 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, 104, 255) }
```

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

```
.border{ border-color:rgb(198, 104, 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, 104, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 104, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 104, 255);  
box-shadow:4px 4px 4px 4px rgb(198, 104,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1264, 0.2672, 0.1682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 104, 255) }
```

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

```
.background{ background-color: rgb(198,  
104, 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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