

Converting Colors

$Y_{xy}(28.7285, 0.2671, 0.1665)$

Have a look what the booklet for
Yxy(28.7285, 0.2671, 0.1665)
contains.

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Color

Yxy(28.7285, 0.2671, 0.1665)

Conversions

Conversions Part 1

Format	Color
Hex	C666FF
RGB	198, 102, 255
RGB Percent	78%, 40%, 100%
CMY	0.2236, 0.5999, 0.0000
CMYK	0.22, 0.60, 0.00, 0.00
HSL	278°, 100%, 70%
HSV	278°, 60%, 100%
XYZ	46.0864, 28.7285, 97.7287
YIQ	148.1460, 8.1030, 67.9350

Conversions

Conversions Part 2

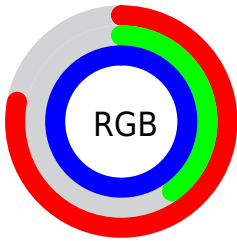
Format	Color
R _Y B	198, 102, 255
Decimal	13002495
CIE Lab	60.54, 62.89, -60.96
CIE LCh	61, 87.582, 315.895
Yxy	28.7285, 0.2671, 0.1665
Android (android.graphics.Color)	4291192575 (0xFFC666FF)
YUV	148.1460, 52.6790, 43.7220
Hunter-Lab	53.5990, 59.6827, -70.5860

Details

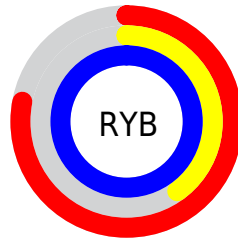
The Yxy color **28.7285, 0.2671, 0.1665** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **79.8544, 0.3330, 0.5069**, and the grayscale version is **29.4536, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.5939, 0.3172, 0.2338**, and **11.5607, 0.2504, 0.1324** is the 20% darker color. If you saturate the color by 10%, you get **23.2124, 0.2569, 0.1436**, and if you desaturate by 10%, it is **35.8680, 0.2769, 0.1926**.

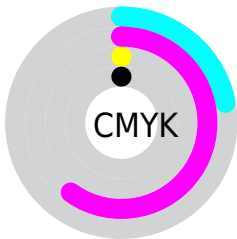
Distribution



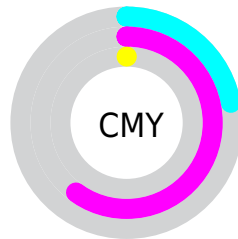
- Red (78%)
- Green (40%)
- Blue (100%)



- Red (78%)
- Yellow (40%)
- Blue (100%)



- Cyan (22%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)




- Cyan (22%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.7285, 0.2671, 0.1665 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 28.7285, 0.2671, 0.1665 by changing the saturation by 10% instead.

 28.7285, 0.2671,
0.1665


 28.7285, 0.2671,
0.1665


295.9318, 0.2938,
0.2402

 18.8755, 0.2597,
0.1508


 57.6454, 0.2774,
0.1913


 11.5804, 0.2501,
0.1322


 77.4782, 0.2811,
0.2012

 6.4586, 0.2371,
0.1101


 101.4064, 0.2842,
0.2099

 3.1259, 0.2189,
0.0841

 129.8143, 0.2867,
0.2174

 1.1978, 0.1928,
0.0545

163.0864, 0.2889,
0.2241

 0.0599, 0.1578,
0.0051

201.6071, 0.2908,

 0.0000, 0.0952,

0.2301


0.0000


245.7608, 0.2924,
0.2354


 0.0000, 0.0000,
0.0000


 28.7285, 0.2671,
0.1665


 28.7285, 0.2671,
0.1665


 23.2124, 0.2569,
0.1436


 35.8680, 0.2769,
0.1926


 19.1695, 0.2467,
0.1250


 44.7581, 0.2860,
0.2205


 16.4244, 0.2368,
0.1116

 55.5156, 0.2942,
0.2490

 14.6901, 0.2276,
0.1028

 68.2464, 0.3013,
0.2770

 14.6891, 0.2276,
0.1028

 83.0482, 0.3075,
0.3039

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.



28.7285, 0.1685, 0.1437



28.7285, 0.2671, 0.1665



28.7285, 0.4111, 0.2175

Triad

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



28.7285, 0.2671, 0.1665



28.7285, 0.5223, 0.4553



28.7285, 0.1231, 0.3135

Complementary

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



28.7285, 0.2671, 0.1665



79.8544, 0.3330, 0.5069

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.



28.7285, 0.1916, 0.4925



28.7285, 0.2671, 0.1665



28.7285, 0.4189, 0.5527

Square

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



28.7285, 0.2671, 0.1665



28.7285, 0.5775, 0.3654



28.7285, 0.3011, 0.5975



28.7285, 0.1026, 0.1992

Rectangle

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



28.7285, 0.2671, 0.1665



28.7285, 0.5051, 0.2631



28.7285, 0.3011, 0.5975



28.7285, 0.1400, 0.3696

Sweetspot

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



28.7292, 0.2671, 0.1665



71.0285, 0.3027, 0.2825



35.4171, 0.2116, 0.2069



14.3396, 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.



28.7292, 0.2671, 0.1665



22.2880, 0.2548, 0.1395



36.8894, 0.3362, 0.2023



17.9423, 0.3078, 0.3051



7.7633, 0.2291, 0.1036



0.8182, 0.2394, 0.1093

Inverse Universe

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



33.2706, 0.4283, 0.2727



27.7060, 0.4661, 0.2677



75.6986, 0.2969, 0.5036



18.0990, 0.3235, 0.3202



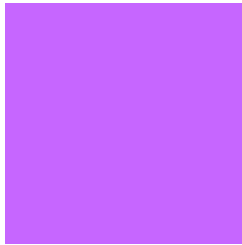
11.5674, 0.5494, 0.2800



1.1466, 0.5184, 0.2630

Previews

White Background



This preview shows how the Yxy color 28.7285, 0.2671, 0.1665 looks on a white background.

Color Contrast Check

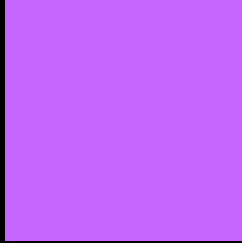
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.7285, 0.2671, 0.1665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

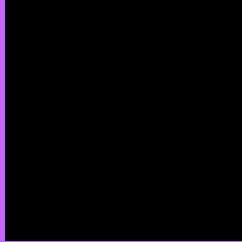
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.7285, 0.2671, 0.1665

Background



This preview shows how black text looks on a background with the Yxy color 28.7285, 0.2671, 0.1665.



This preview shows how white text looks on a background with the Yxy color 28.7285, 0.2671, 0.1665.

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

28.7285, 0.2671, 0.1665

Protanopia

29.2446, 0.2027, 0.1825

Deuteranopia

29.0578, 0.1999, 0.1933



Tritanopia

28.4615, 0.3558, 0.3148

Trichromacy



Original Color

28.7285, 0.2671, 0.1665



Protanomaly

27.5639, 0.2193, 0.1713



Deuteranomaly

27.0652, 0.2152, 0.1767



Tritanomaly

27.9446, 0.3198, 0.2475

Monochromacy



Original Color

28.7285, 0.2671, 0.1665



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

27.9274, 0.2945, 0.2507

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7285, 0.2671, 0.1665 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, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(198, 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(198, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 102, 255) }
```

Border

The CSS property to change the border of an element to Yxy 28.7285, 0.2671, 0.1665 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, 102, 255) }
```

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

```
.border{ border-color:rgb(198, 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(198, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(198, 102,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7285, 0.2671, 0.1665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 102, 255) }
```

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

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