

Converting Colors

$Y_{xy}(33.5525, 0.2279, 0.1356)$

Have a look what the booklet for
Yxy(33.5525, 0.2279, 0.1356)
contains.

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Color

Yxy(28.9419, 0.2622, 0.1685)

Conversions

Conversions Part 1

Format	Color
Hex	C06BFF
RGB	192, 107, 255
RGB Percent	75%, 42%, 100%
CMY	0.2471, 0.5803, 0.0002
CMYK	0.25, 0.58, 0.00, 0.00
HSL	274°, 100%, 71%
HSV	274°, 58%, 100%
XYZ	45.0360, 28.9419, 97.7841
YIQ	149.2870, 3.1520, 64.0480

Conversions

Conversions Part 2

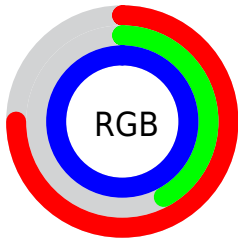
Format	Color
R _Y B	192, 107, 255
Decimal	12610559
CIE _{Lab}	60.73, 59.07, -60.67
CIE _{LCh}	61, 84.672, 314.235
Y _{xy}	28.9419, 0.2622, 0.1685
Android (android.graphics.Color)	4290800639 (0xFFC06BFF)
Y _{UV}	149.2870, 52.1165, 37.4593
Hunter-Lab	53.7977, 55.2829, -70.1087

Details

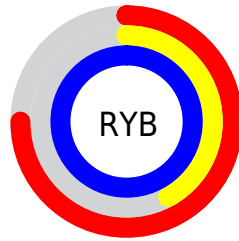
The Yxy color **28.9419, 0.2622, 0.1685** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **81.1022, 0.3378, 0.4983**, and the grayscale version is **29.9605, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.5699, 0.3137, 0.2375**, and **11.6458, 0.2441, 0.1342** is the 20% darker color. If you saturate the color by 10%, you get **23.0209, 0.2506, 0.1439**, and if you desaturate by 10%, it is **36.5364, 0.2733, 0.1960**.

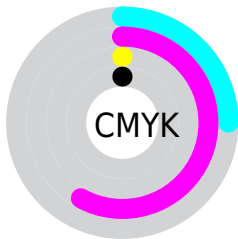
Distribution



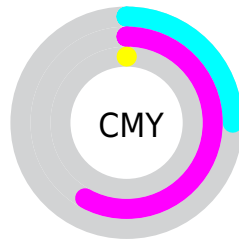
- Red (75%)
- Green (42%)
- Blue (100%)



- Red (75%)
- Yellow (42%)
- Blue (100%)



- Cyan (25%)
- Magenta (58%)
- Yellow (0%)
- Black (0%)





- Cyan (25%)
- Magenta (58%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.9419, 0.2622, 0.1685 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 28.9419, 0.2622, 0.1685 by changing the saturation by 10% instead.

 28.9419, 0.2622,
0.1685


 28.9419, 0.2622,
0.1685


296.9407, 0.2911,
0.2416

 19.0369, 0.2544,
0.1528


 57.9848, 0.2733,
0.1932


 11.6969, 0.2442,
0.1342


 77.8914, 0.2773,
0.2030

 6.5377, 0.2304,
0.1121


 101.9007, 0.2806,
0.2116

 3.1747, 0.2115,
0.0860

 130.3970, 0.2834,
0.2191

 1.2236, 0.1846,
0.0561

163.7648, 0.2857,
0.2257

 0.0809, 0.1485,
0.0070


202.3884, 0.2878,


 0.0000, 0.0833,


0.2316


0.0000

246.6523, 0.2895,
0.2369


 0.0000, 0.0000,
0.0000


 28.9419, 0.2622,
0.1685


 28.9419, 0.2622,
0.1685


 23.0209, 0.2506,
0.1439


 36.5364, 0.2733,
0.1960


 18.6257, 0.2391,
0.1234


 45.9281, 0.2836,
0.2249


 15.5871, 0.2280,
0.1080

 57.2328, 0.2928,
0.2540

 13.6753, 0.2177,
0.0979

 70.5552, 0.3009,
0.2822

 13.3661, 0.2158,
0.0962

 85.9923, 0.3079,
0.3089

99.9973, 0.3127,
0.3290

Harmonies

Analogous

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



28.9419, 0.1685, 0.1476



28.9419, 0.2622, 0.1685



28.9419, 0.3999, 0.2173

Triad

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



28.9419, 0.2622, 0.1685



28.9419, 0.5228, 0.4495



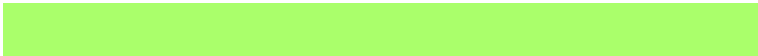
28.9419, 0.1306, 0.3234

Complementary

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



28.9419, 0.2622, 0.1685



81.1022, 0.3378, 0.4983

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.



28.9419, 0.2013, 0.4949



28.9419, 0.2622, 0.1685



28.9419, 0.4246, 0.5430

Square

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



28.9419, 0.2622, 0.1685



28.9419, 0.5708, 0.3623



28.9419, 0.3099, 0.5884



28.9419, 0.1075, 0.2078

Rectangle

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



28.9419, 0.2622, 0.1685



28.9419, 0.4920, 0.2617



28.9419, 0.3099, 0.5884



28.9419, 0.1485, 0.3783

Sweetspot

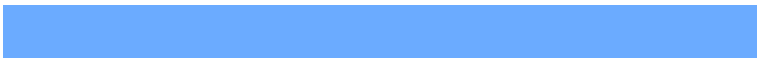
The Sweet Spot groups the original color and five complimentary colors.



28.9430, 0.2622, 0.1685



72.0583, 0.3017, 0.2850



39.5210, 0.2169, 0.2216



14.8054, 0.3002, 0.2795



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.



28.9430, 0.2622, 0.1685



22.0424, 0.2483, 0.1394



38.3723, 0.3282, 0.2000



17.8927, 0.3069, 0.3051



7.0765, 0.2173, 0.0971



0.7534, 0.2287, 0.1033

Inverse Universe

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



34.6765, 0.4124, 0.2661



28.7813, 0.4457, 0.2588



75.9025, 0.3001, 0.5060



18.1154, 0.3227, 0.3189



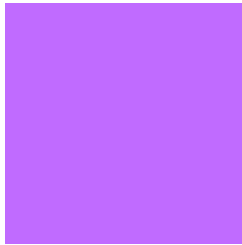
11.7092, 0.5278, 0.2681



1.1614, 0.4987, 0.2521

Previews

White Background



This preview shows how the Yxy color 28.9419, 0.2622, 0.1685 looks on a white background.

Color Contrast Check

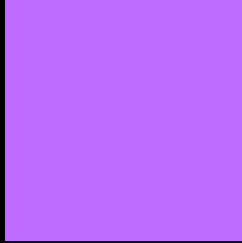
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.9419, 0.2622, 0.1685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

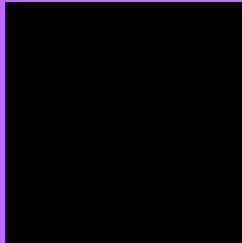
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.9419, 0.2622, 0.1685

Background



This preview shows how black text looks on a background with the Yxy color 28.9419, 0.2622, 0.1685.



This preview shows how white text looks on a background with the Yxy color 28.9419, 0.2622, 0.1685.

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

28.9419, 0.2622, 0.1685

Protanopia

29.2978, 0.2031, 0.1826

Deuteranopia

29.4730, 0.2003, 0.1939



Tritanopia

28.7136, 0.3437, 0.3130

Trichromacy



Original Color

28.9419, 0.2622, 0.1685



Protanomaly

27.9311, 0.2185, 0.1732



Deuteranomaly

27.5991, 0.2147, 0.1782



Tritanomaly

28.0362, 0.3112, 0.2475

Monochromacy



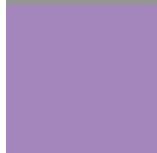
Original Color

28.9419, 0.2622, 0.1685



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

28.6804, 0.2927, 0.2534

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.9419, 0.2622, 0.1685 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(192, 107, 255)` looks like.

```
.text, #text, p{  
    color:rgb(192, 107, 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(192, 107, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 107, 255) }
```

Border

The CSS property to change the border of an element to Yxy 28.9419, 0.2622, 0.1685 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(192, 107, 255) }
```

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

```
.border{ border-color:rgb(192, 107, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 107, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 107, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 107, 255);  
box-shadow:4px 4px 4px 4px rgb(192, 107,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 28.9419, 0.2622, 0.1685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 107, 255) }
```

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

```
.background{ background-color: rgb(192,  
107, 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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