

Converting Colors

$Y_{xy}(29.3562, 0.2701, 0.1777)$

Have a look what the booklet for
Yxy(29.3562, 0.2701, 0.1777)
contains.

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Color

Yxy(29.3366, 0.2700, 0.1775)

Conversions

Conversions Part 1

Format	Color
Hex	C26EF7
RGB	194, 110, 247
RGB Percent	76%, 43%, 97%
CMY	0.2390, 0.5688, 0.0313
CMYK	0.21, 0.55, 0.00, 0.03
HSL	277°, 90%, 70%
HSV	277°, 55%, 97%
XYZ	44.6247, 29.3366, 91.3153
YIQ	150.7340, 6.0870, 60.4150

Conversions

Conversions Part 2

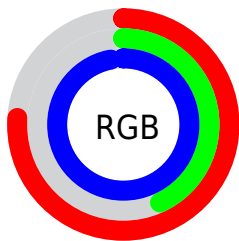
Format	Color
RYB	194, 110, 247
Decimal	12742391
CIELab	61.08, 56.38, -55.71
CIElCh	61, 79.265, 315.340
Yxy	29.3366, 0.2700, 0.1775
Android (android.graphics.Color)	4290932471 (0xFFC26EF7)
YUV	150.7340, 47.4591, 37.9443
Hunter-Lab	54.1633, 52.2790, -62.0443

Details

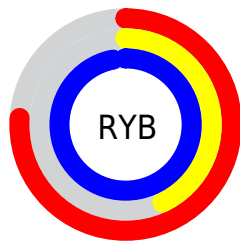
The Yxy color **29.3366, 0.2700, 0.1775** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **75.4318, 0.3340, 0.4924**, and the grayscale version is **30.6188, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.6536, 0.3153, 0.2399**, and **11.9623, 0.2541, 0.1442** is the 20% darker color. If you saturate the color by 10%, you get **23.5089, 0.2596, 0.1528**, and if you desaturate by 10%, it is **36.7327, 0.2799, 0.2048**.

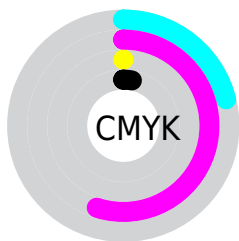
Distribution



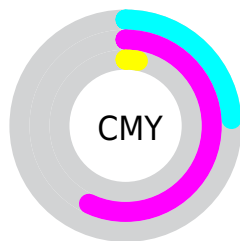
- Red (76%)
- Green (43%)
- Blue (97%)



- Red (76%)
- Yellow (43%)
- Blue (97%)



- Cyan (21%)
- Magenta (55%)
- Yellow (0%)
- Black (3%)



- Cyan (24%)
- Magenta (57%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.3366, 0.2700, 0.1775 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 29.3366, 0.2700, 0.1775 by changing the saturation by 10% instead.


 29.3366, 0.2700,
0.1775


 29.3366, 0.2700,
0.1775


298.7998, 0.2948,
0.2474

 19.3356, 0.2631,
0.1622


 58.6115, 0.2796,
0.2013


 11.9130, 0.2541,
0.1439


 78.6541, 0.2830,
0.2107

 6.6845, 0.2417,
0.1219


 102.8127, 0.2859,
0.2189

 3.2656, 0.2243,
0.0953

 131.4718, 0.2883,
0.2260

 1.2719, 0.1989,
0.0641

165.0156, 0.2903,
0.2323

 0.1193, 0.1638,
0.0117

203.8286, 0.2920,

 0.0000, 0.0931,

0.2379

0.0000

248.2952, 0.2935,
0.2429

0.0000, 0.0000,
0.0000

29.3366, 0.2700,
0.1775

29.3366, 0.2700,
0.1775

23.5089, 0.2596,
0.1528

36.7327, 0.2799,
0.2048

19.1178, 0.2490,
0.1318

45.8074, 0.2889,
0.2332

16.0147, 0.2386,
0.1157

56.6650, 0.2969,
0.2617

14.0154, 0.2288,
0.1048

69.3998, 0.3039,
0.2893

13.3501, 0.2246,
0.1011

84.0998, 0.3099,
0.3155

98.8057, 0.3150,
0.3367

99.4961, 0.3173,
0.3366

Harmonies

Analogous

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



29.3366, 0.1785, 0.1563



29.3366, 0.2700, 0.1775



29.3366, 0.3998, 0.2256

Triad

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



29.3366, 0.2700, 0.1775



29.3366, 0.5115, 0.4513



29.3366, 0.1389, 0.3201

Complementary

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



29.3366, 0.2700, 0.1775



75.4318, 0.3340, 0.4924

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.



29.3366, 0.2061, 0.4764



29.3366, 0.2700, 0.1775



29.3366, 0.4191, 0.5362

Square

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



29.3366, 0.2700, 0.1775



29.3366, 0.5561, 0.3675



29.3366, 0.3096, 0.5690



29.3366, 0.1168, 0.2130

Rectangle

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



29.3366, 0.2700, 0.1775



29.3366, 0.4844, 0.2689



29.3366, 0.3096, 0.5690



29.3366, 0.1559, 0.3701

Sweetspot

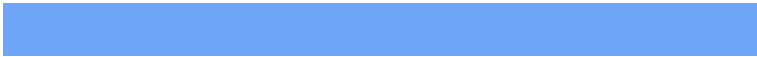
The Sweet Spot groups the original color and five complimentary colors.



29.3378, 0.2700, 0.1775



72.3526, 0.3029, 0.2852



36.8614, 0.2198, 0.2211



14.8750, 0.3015, 0.2797



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.



29.3378, 0.2700, 0.1775



24.4010, 0.2579, 0.1491



36.8216, 0.3319, 0.2082



16.4300, 0.3076, 0.3052



7.1440, 0.2262, 0.1020



0.6870, 0.2379, 0.1084

Inverse Universe

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



33.5622, 0.4125, 0.2739



29.8313, 0.4466, 0.2668



71.2885, 0.2986, 0.4915



16.5885, 0.3233, 0.3199



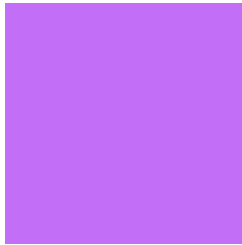
10.9248, 0.5435, 0.2768



0.9797, 0.5098, 0.2582

Previews

White Background



This preview shows how the Yxy color 29.3366, 0.2700, 0.1775 looks on a white background.

Color Contrast Check

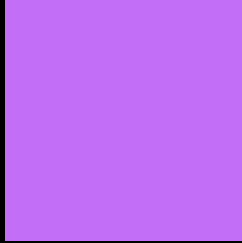
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.3366, 0.2700, 0.1775 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

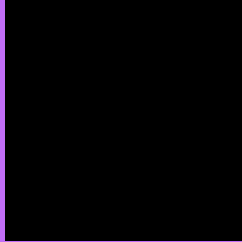
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.3366, 0.2700, 0.1775

Background



This preview shows how black text looks on a background with the Yxy color 29.3366, 0.2700, 0.1775.

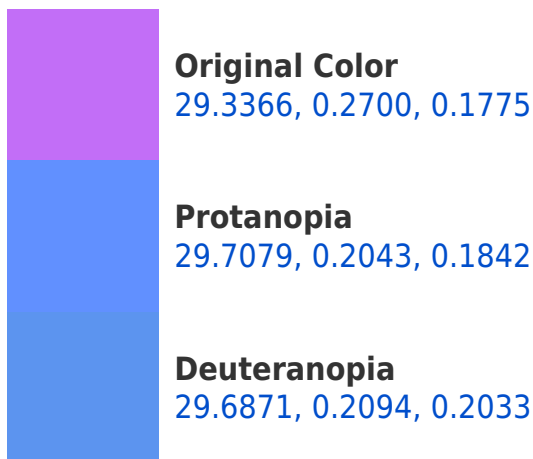


This preview shows how white text looks on a background with the Yxy color 29.3366, 0.2700, 0.1775.

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

29.1799, 0.3482, 0.3133

Trichromacy



Original Color

29.3366, 0.2700, 0.1775



Protanomaly

28.4363, 0.2216, 0.1783



Deuteranomaly

28.1281, 0.2249, 0.1883



Tritanomaly

28.7880, 0.3173, 0.2544

Monochromacy



Original Color

29.3366, 0.2700, 0.1775



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

29.3690, 0.2965, 0.2592

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3366, 0.2700, 0.1775 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(194, 110, 247)` looks like.

```
.text, #text, p{  
    color:rgb(194, 110, 247)  
}
```

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(194, 110, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 110, 247) }
```

Border

The CSS property to change the border of an element to Yxy 29.3366, 0.2700, 0.1775 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(194, 110, 247) }
```

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

```
.border{ border-color:rgb(194, 110, 247) }
```

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

Here you see how a box with a 4 pixel rgb(194, 110, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 110, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 110, 247);  
box-shadow:4px 4px 4px 4px rgb(194, 110,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 29.3366, 0.2700, 0.1775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 110, 247) }
```

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

```
.background{ background-color: rgb(194,  
110, 247) }
```

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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