

Converting Colors

Yxy(27.9864, 0.2622, 0.1643)

Have a look what the booklet for
Yxy(27.9864, 0.2622, 0.1643)
contains.

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Color

Yxy(27.9292, 0.2618, 0.1642)

Conversions

Conversions Part 1

Format	Color
Hex	C066FF
RGB	192, 102, 255
RGB Percent	75%, 40%, 100%
CMY	0.2472, 0.5999, 0.0001
CMYK	0.25, 0.60, 0.00, 0.00
HSL	275°, 100%, 70%
HSV	275°, 60%, 100%
XYZ	44.5302, 27.9292, 97.6331
YIQ	146.3520, 4.5270, 66.6630

Conversions

Conversions Part 2

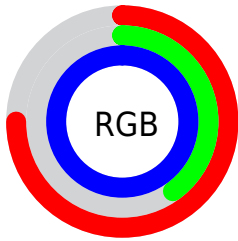
Format	Color
RYB	192, 102, 255
Decimal	12609279
CIELab	59.82, 61.51, -62.13
CIELCh	60, 87.424, 314.712
Yxy	27.9292, 0.2618, 0.1642
Android (android.graphics.Color)	4290799359 (0xFFC066FF)
YUV	146.3520, 53.5635, 40.0333
Hunter-Lab	52.8481, 57.9214, -72.5405

Details

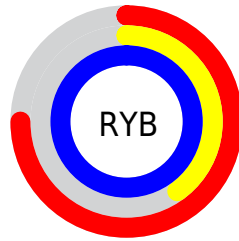
The Yxy color $27.9292, 0.2618, 0.1642$ is a light color, and the websafe version is hex `CC66FF`. A complement of this color would be $80.4704, 0.3367, 0.5047$, and the grayscale version is $28.6742, 0.3127, 0.3290$.

A 20% lighter version of the original color is $52.0294, 0.3147, 0.2331$, and $11.1326, 0.2435, 0.1296$ is the 20% darker color. If you saturate the color by 10%, you get $22.3415, 0.2506, 0.1405$, and if you desaturate by 10%, it is $35.1576, 0.2727, 0.1910$.

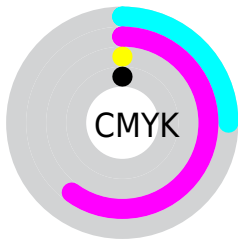
Distribution



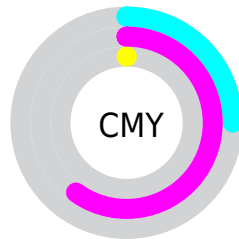
- Red (75%)
- Green (40%)
- Blue (100%)



- Red (75%)
- Yellow (40%)
- Blue (100%)



- Cyan (25%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)





- Cyan (25%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.9292, 0.2618, 0.1642 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 27.9292, 0.2618, 0.1642 by changing the saturation by 10% instead.


 27.9292, 0.2618,
0.1642


 27.9292, 0.2618,
0.1642


292.1285, 0.2912,
0.2391

 18.2723, 0.2538,
0.1482


 56.3714, 0.2731,
0.1895


 11.1457, 0.2433,
0.1293


 75.9255, 0.2772,
0.1995

 6.1649, 0.2293,
0.1069


 99.5474, 0.2805,
0.2083

 2.9456, 0.2098,
0.0807

 127.6215, 0.2834,
0.2160

 1.1034, 0.1822,
0.0512

160.5323, 0.2858,
0.2228

 0.0000, 0.1457,
0.0000

198.6641, 0.2878,


 0.0000, 0.0777,


0.2289


0.0000


242.4014, 0.2896,
0.2343


 0.0000, 0.0000,
0.0000


 27.9292, 0.2618,
0.1642

 27.9292, 0.2618,
0.1642


 22.3415, 0.2506,
0.1405


 35.1576, 0.2727,
0.1910


 18.2429, 0.2394,
0.1212

 44.1534, 0.2828,
0.2195


 15.4577, 0.2287,
0.1071

 55.0342, 0.2919,
0.2485

 13.6988, 0.2188,
0.0979

 67.9064, 0.2999,
0.2768

 13.6963, 0.2188,
0.0979

 82.8681, 0.3069,
0.3038

99.9979, 0.3127,
0.3290

99.9986, 0.3127,
0.3290

Harmonies

Analogous

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



27.9292, 0.1649, 0.1424



27.9292, 0.2618, 0.1642



27.9292, 0.4057, 0.2144

Triad

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



27.9292, 0.2618, 0.1642



27.9292, 0.5265, 0.4515



27.9292, 0.1237, 0.3195

Complementary

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



27.9292, 0.2618, 0.1642



80.4704, 0.3367, 0.5047

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.



27.9292, 0.1944, 0.5008



27.9292, 0.2618, 0.1642



27.9292, 0.4234, 0.5502

Square

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



27.9292, 0.2618, 0.1642



27.9292, 0.5797, 0.3618



27.9292, 0.3053, 0.6003



27.9292, 0.1017, 0.2013

Rectangle

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



27.9292, 0.2618, 0.1642



27.9292, 0.5016, 0.2597



27.9292, 0.3053, 0.6003



27.9292, 0.1413, 0.3769

Sweetspot

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



27.9303, 0.2618, 0.1642



70.7183, 0.3014, 0.2823



37.2309, 0.2131, 0.2138



14.2637, 0.2992, 0.2743



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.



27.9303, 0.2618, 0.1642



21.4042, 0.2483, 0.1363



37.1901, 0.3312, 0.1985



17.9056, 0.3072, 0.3051



7.2475, 0.2203, 0.0987



0.7697, 0.2314, 0.1049

Inverse Universe

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



33.4835, 0.4204, 0.2667



27.9254, 0.4553, 0.2606



75.5659, 0.2989, 0.5096



18.1112, 0.3229, 0.3192



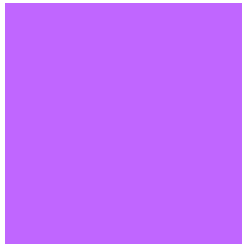
11.6703, 0.5335, 0.2713



1.1574, 0.5038, 0.2549

Previews

White Background



This preview shows how the Yxy color 27.9292, 0.2618, 0.1642 looks on a white background.

Color Contrast Check

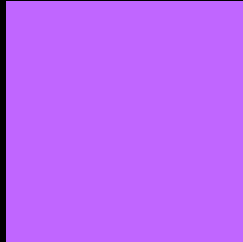
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.9292, 0.2618, 0.1642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

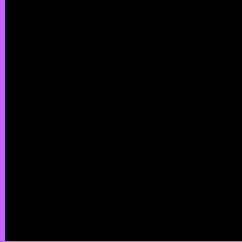
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.9292, 0.2618, 0.1642

Background



This preview shows how black text looks on a background with the Yxy color 27.9292, 0.2618, 0.1642.



This preview shows how white text looks on a background with the Yxy color 27.9292, 0.2618, 0.1642.

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

27.9292, 0.2618, 0.1642

Protanopia

28.3936, 0.2000, 0.1791

Deuteranopia

28.4405, 0.1968, 0.1910



Tritanopia

27.6729, 0.3466, 0.3129

Trichromacy



Original Color

27.9292, 0.2618, 0.1642



Protanomaly

26.8344, 0.2153, 0.1687



Deuteranomaly

26.3155, 0.2109, 0.1740



Tritanomaly

27.0831, 0.3122, 0.2456

Monochromacy



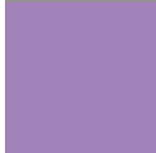
Original Color

27.9292, 0.2618, 0.1642



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

27.2970, 0.2924, 0.2498

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9292, 0.2618, 0.1642 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, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(192, 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(192, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 102, 255) }
```

Border

The CSS property to change the border of an element to Yxy 27.9292, 0.2618, 0.1642 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, 102, 255) }
```

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

```
.border{ border-color:rgb(192, 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(192, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(192, 102,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9292, 0.2618, 0.1642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 102, 255) }
```

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

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