

Converting Colors

$Y_{xy}(27.1197, 0.2692, 0.1591)$

Have a look what the booklet for
Yxy(27.1197, 0.2692, 0.1591)
contains.

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Color

Yxy(27.1197, 0.2692, 0.1591)

Conversions

Conversions Part 1

Format	Color
Hex	C95BFF
RGB	201, 91, 255
RGB Percent	79%, 36%, 100%
CMY	0.2117, 0.6432, 0.0000
CMYK	0.21, 0.64, 0.00, 0.00
HSL	280°, 100%, 68%
HSV	280°, 64%, 100%
XYZ	45.8870, 27.1197, 97.4502
YIQ	142.5860, 12.9160, 74.3240

Conversions

Conversions Part 2

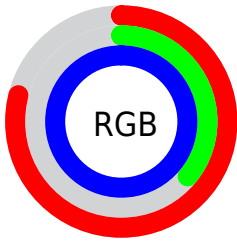
Format	Color
R _Y B	201, 91, 255
Decimal	13196287
CIE Lab	59.08, 68.60, -63.28
CIE LCh	59, 93.331, 317.309
Yxy	27.1197, 0.2692, 0.1591
Android (android.graphics.Color)	4291386367 (0xFFC95BFF)
YUV	142.5860, 55.4201, 51.2291
Hunter-Lab	52.0766, 66.1503, -74.4950

Details

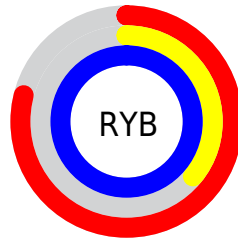
The Yxy color **27.1197, 0.2692, 0.1591** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted magenta. A complement of this color would be **78.2899, 0.3287, 0.5219**, and the grayscale version is **27.0632, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.3474, 0.3176, 0.2248**, and **10.7496, 0.2530, 0.1245** is the 20% darker color. If you saturate the color by 10%, you get **22.3447, 0.2602, 0.1389**, and if you desaturate by 10%, it is **33.4364, 0.2780, 0.1831**.

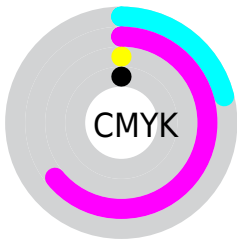
Distribution



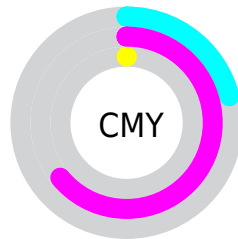
- Red (79%)
- Green (36%)
- Blue (100%)



- Red (79%)
- Yellow (36%)
- Blue (100%)



- Cyan (21%)
- Magenta (64%)
- Yellow (0%)
- Black (0%)





- Cyan (21%)
- Magenta (64%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.1197, 0.2692, 0.1591 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 27.1197, 0.2692, 0.1591 by changing the saturation by 10% instead.


 27.1197, 0.2692,
0.1591


 27.1197, 0.2692,
0.1591


288.2362, 0.2954,
0.2358


 17.6631, 0.2618,
0.1429


 55.0759, 0.2794,
0.1848


 10.7084, 0.2521,
0.1239


 74.3443, 0.2831,
0.1951

 5.8711, 0.2389,
0.1015


 97.6521, 0.2861,
0.2041

 2.7669, 0.2204,
0.0755

 125.3838, 0.2886,
0.2120

 1.0113, 0.1937,
0.0467

157.9236, 0.2907,
0.2190

 0.0000, 0.1577,
0.0000

195.6560, 0.2925,


 0.0000, 0.0937,


0.2252

0.0000


238.9654, 0.2940,
0.2308


 0.0000, 0.0000,
0.0000


 27.1197, 0.2692,
0.1591

 27.1197, 0.2692,
0.1591


 22.3447, 0.2602,
0.1389


 33.4364, 0.2780,
0.1831


 18.9562, 0.2512,
0.1232


 41.4340, 0.2863,
0.2097


 16.7598, 0.2425,
0.1126

 51.2322, 0.2937,
0.2374

 15.8880, 0.2378,
0.1084

 62.9407, 0.3004,
0.2654

 76.6602, 0.3061,
0.2926

 92.4840, 0.3109,
0.3184

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.



27.1197, 0.1632, 0.1341



27.1197, 0.2692, 0.1591



27.1197, 0.4262, 0.2131

Triad

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



27.1197, 0.2692, 0.1591



27.1197, 0.5265, 0.4607



27.1197, 0.1092, 0.3019

Complementary

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



27.1197, 0.2692, 0.1591



78.2899, 0.3287, 0.5219

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.



27.1197, 0.1762, 0.4995



27.1197, 0.2692, 0.1591



27.1197, 0.4128, 0.5685

Square

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



27.1197, 0.2692, 0.1591



27.1197, 0.5933, 0.3653



27.1197, 0.2888, 0.6209



27.1197, 0.0917, 0.1854

Rectangle

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



27.1197, 0.2692, 0.1591



27.1197, 0.5268, 0.2606



27.1197, 0.2888, 0.6209



27.1197, 0.1252, 0.3620

Sweetspot

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



27.1187, 0.2692, 0.1591



69.9885, 0.3035, 0.2800



29.8926, 0.2022, 0.1855



14.1546, 0.3018, 0.2722



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.



27.1187, 0.2692, 0.1591



21.3094, 0.2577, 0.1342



34.3204, 0.3468, 0.2020



17.9833, 0.3085, 0.3052



8.3864, 0.2392, 0.1091



0.8760, 0.2486, 0.1143

Inverse Universe

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



30.7804, 0.4515, 0.2775



25.7887, 0.4959, 0.2757



75.0582, 0.2933, 0.5076



18.0856, 0.3242, 0.3212



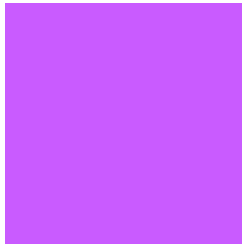
11.4669, 0.5663, 0.2893



1.1357, 0.5344, 0.2718

Previews

White Background



This preview shows how the Yxy color 27.1197, 0.2692, 0.1591 looks on a white background.

Color Contrast Check

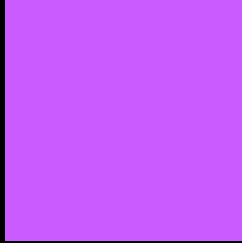
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.1197, 0.2692, 0.1591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

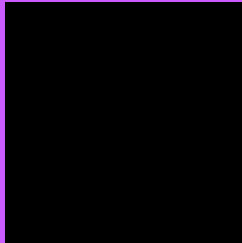
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.1197, 0.2692, 0.1591

Background



This preview shows how black text looks on a background with the Yxy color 27.1197, 0.2692, 0.1591.

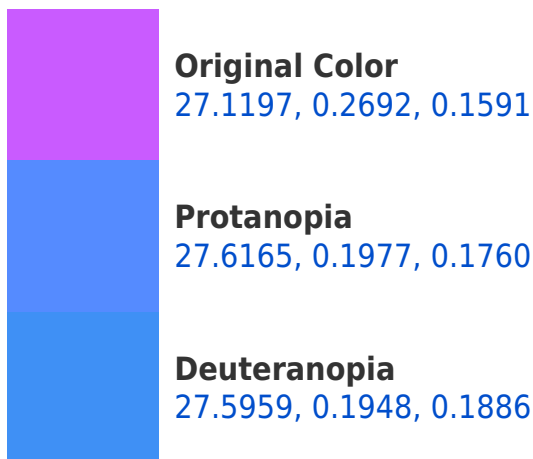


This preview shows how white text looks on a background with the Yxy color 27.1197, 0.2692, 0.1591.

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

27.0236, 0.3694, 0.3163

Trichromacy



Original Color

27.1197, 0.2692, 0.1591



Protanomaly

25.6511, 0.2148, 0.1632



Deuteranomaly

25.0175, 0.2096, 0.1678



Tritanomaly

26.2365, 0.3293, 0.2441

Monochromacy



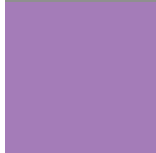
Original Color

27.1197, 0.2692, 0.1591



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

25.7685, 0.2951, 0.2440

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1197, 0.2692, 0.1591 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(201, 91, 255)` looks like.

```
.text, #text, p{  
    color:rgb(201, 91, 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(201, 91, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 91, 255) }
```

Border

The CSS property to change the border of an element to Yxy 27.1197, 0.2692, 0.1591 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(201, 91, 255) }
```

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

```
.border{ border-color:rgb(201, 91, 255) }
```

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

Here you see how a box with a 4 pixel rgb(201, 91, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 91, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 91, 255);  
box-shadow:4px 4px 4px 4px rgb(201, 91,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1197, 0.2692, 0.1591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 91, 255) }
```

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

```
.background{ background-color: rgb(201, 91,  
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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