

Converting Colors

$Y_{xy}(27.7850, 0.2705, 0.1696)$

Have a look what the booklet for
Yxy(27.7850, 0.2705, 0.1696)
contains.

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Color

Yxy(27.8204, 0.2705, 0.1696)

Conversions

Conversions Part 1

Format	Color
Hex	C465F8
RGB	196, 101, 248
RGB Percent	77%, 40%, 97%
CMY	0.2312, 0.6040, 0.0274
CMYK	0.21, 0.59, 0.00, 0.03
HSL	279°, 91%, 68%
HSV	279°, 59%, 97%
XYZ	44.3716, 27.8204, 91.8434
YIQ	146.1630, 9.4330, 65.8570

Conversions

Conversions Part 2

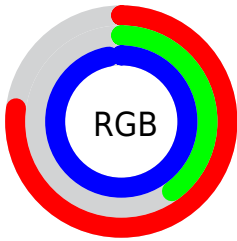
Format	Color
R _Y B	196, 101, 248
Decimal	12871160
CIE Lab	59.73, 61.47, -58.41
CIE LCh	60, 84.794, 316.463
Yxy	27.8204, 0.2705, 0.1696
Android (android.graphics.Color)	4291061240 (0xFFC465F8)
YUV	146.1630, 50.2056, 43.7070
Hunter-Lab	52.7450, 57.8586, -66.3184

Details

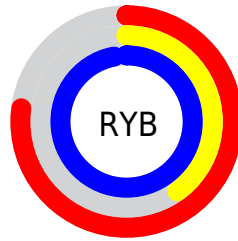
The Yxy color **27.8204, 0.2705, 0.1696** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **74.8434, 0.3312, 0.5055**, and the grayscale version is **28.6009, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.2569, 0.3172, 0.2329**, and **11.0416, 0.2534, 0.1343** is the 20% darker color. If you saturate the color by 10%, you get **22.5707, 0.2609, 0.1468**, and if you desaturate by 10%, it is **34.5933, 0.2797, 0.1955**.

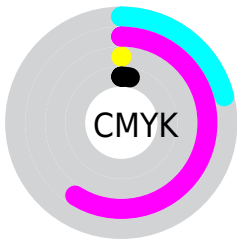
Distribution



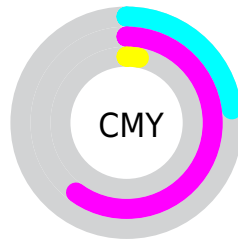
- Red (77%)
- Green (40%)
- Blue (97%)



- Red (77%)
- Yellow (40%)
- Blue (97%)



- Cyan (21%)
- Magenta (59%)
- Yellow (0%)
- Black (3%)





- Cyan (23%)
- Magenta (60%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8204, 0.2705, 0.1696 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 27.8204, 0.2705, 0.1696 by changing the saturation by 10% instead.

 27.8204, 0.2705,
0.1696


 27.8204, 0.2705,
0.1696


291.6077, 0.2955,
0.2427


 18.1903, 0.2635,
0.1538


 56.1976, 0.2803,
0.1944


 11.0867, 0.2541,
0.1350


 75.7135, 0.2838,
0.2043

 6.1252, 0.2414,
0.1125


 99.2934, 0.2866,
0.2128

 2.9214, 0.2234,
0.0858

 127.3218, 0.2890,
0.2203

 1.0908, 0.1971,
0.0552

160.1830, 0.2910,
0.2269

 0.0000, 0.1617,
0.0000

198.2615, 0.2928,


 0.0000, 0.0883,


0.2328

0.0000


241.9416, 0.2942,
0.2380

 0.0000, 0.0000,
0.0000

 27.8204, 0.2705,
0.1696


 27.8204, 0.2705,
0.1696


 22.5707, 0.2609,
0.1468


 34.5933, 0.2797,
0.1955


 18.7044, 0.2512,
0.1283


 43.0056, 0.2882,
0.2231


 16.0610, 0.2417,
0.1147


 53.1659, 0.2958,
0.2514

 14.3925, 0.2328,
0.1058

 65.1724, 0.3025,
0.2791

 14.2894, 0.2322,
0.1053

 79.1157, 0.3082,
0.3058

 95.0805, 0.3130,
0.3307

 99.5577, 0.3168,
0.3357

Harmonies

Analogous

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



27.8204, 0.1722, 0.1464



27.8204, 0.2705, 0.1696



27.8204, 0.4121, 0.2206

Triad

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



27.8204, 0.2705, 0.1696



27.8204, 0.5183, 0.4568



27.8204, 0.1254, 0.3115

Complementary

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



27.8204, 0.2705, 0.1696



74.8434, 0.3312, 0.5055

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.



27.8204, 0.1926, 0.4852



27.8204, 0.2705, 0.1696



27.8204, 0.4165, 0.5513

Square

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



27.8204, 0.2705, 0.1696



27.8204, 0.5728, 0.3678



27.8204, 0.3004, 0.5910



27.8204, 0.1054, 0.2004

Rectangle

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



27.8204, 0.2705, 0.1696



27.8204, 0.5034, 0.2660



27.8204, 0.3004, 0.5910



27.8204, 0.1420, 0.3658

Sweetspot

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



27.8215, 0.2705, 0.1696



71.1825, 0.3033, 0.2826



32.9466, 0.2121, 0.2055



14.3773, 0.3015, 0.2746



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.



27.8215, 0.2705, 0.1696



23.1902, 0.2591, 0.1431



34.8830, 0.3384, 0.2056



17.1998, 0.3081, 0.3052



7.8001, 0.2336, 0.1060



0.7817, 0.2440, 0.1118

Inverse Universe

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



31.5567, 0.4297, 0.2762



27.9838, 0.4680, 0.2714



71.2741, 0.2960, 0.4980



17.3265, 0.3238, 0.3206



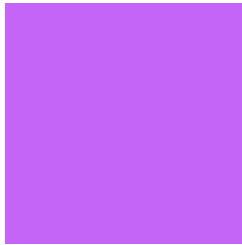
11.1819, 0.5568, 0.2841



1.0550, 0.5238, 0.2659

Previews

White Background



This preview shows how the Yxy color 27.8204, 0.2705, 0.1696 looks on a white background.

Color Contrast Check

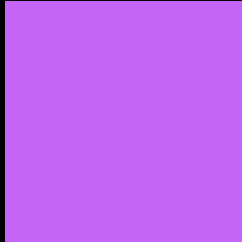
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8204, 0.2705, 0.1696 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 27.8204, 0.2705, 0.1696

Background



This preview shows how black text looks on a background with the Yxy color 27.8204, 0.2705, 0.1696.



This preview shows how white text looks on a background with the Yxy color 27.8204, 0.2705, 0.1696.

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

27.8204, 0.2705, 0.1696

Protanopia

28.1000, 0.1996, 0.1778

Deuteranopia

28.2321, 0.2036, 0.1976



Tritanopia

27.7394, 0.3575, 0.3147

Trichromacy



Original Color

27.8204, 0.2705, 0.1696



Protanomaly

26.5392, 0.2177, 0.1702



Deuteranomaly

26.3223, 0.2198, 0.1806



Tritanomaly

27.0425, 0.3220, 0.2491

Monochromacy



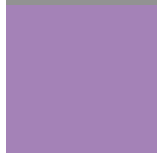
Original Color

27.8204, 0.2705, 0.1696



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

27.2767, 0.2962, 0.2537

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8204, 0.2705, 0.1696 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(196, 101, 248)` looks like.

```
.text, #text, p{  
    color:rgb(196, 101, 248)  
}
```

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(196, 101, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 101, 248) }
```

Border

The CSS property to change the border of an element to Yxy 27.8204, 0.2705, 0.1696 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(196, 101, 248) }
```

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

```
.border{ border-color:rgb(196, 101, 248) }
```

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

Here you see how a box with a 4 pixel rgb(196, 101, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 101, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 101, 248);  
box-shadow:4px 4px 4px 4px rgb(196, 101,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8204, 0.2705, 0.1696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 101, 248) }
```

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

```
.background{ background-color: rgb(196,  
101, 248) }
```

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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