

Converting Colors

$Y_{xy}(28.4999, 0.2656, 0.1658)$

Have a look what the booklet for
Yxy(28.4999, 0.2656, 0.1658)
contains.

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Color

Yxy(28.4585, 0.2653, 0.1657)

Conversions

Conversions Part 1

Format	Color
Hex	C466FF
RGB	196, 102, 255
RGB Percent	77%, 40%, 100%
CMY	0.2315, 0.5999, 0.0000
CMYK	0.23, 0.60, 0.00, 0.00
HSL	277°, 100%, 70%
HSV	277°, 60%, 100%
XYZ	45.5645, 28.4585, 97.7241
YIQ	147.5480, 6.9110, 67.5110

Conversions

Conversions Part 2

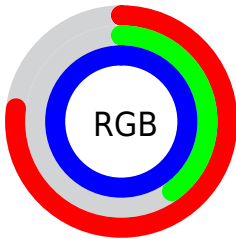
Format	Color
R _Y B	196, 102, 255
Decimal	12871423
CIE Lab	60.30, 62.44, -61.37
CIE LCh	60, 87.547, 315.496
Yxy	28.4585, 0.2653, 0.1657
Android (android.graphics.Color)	4291061503 (0xFFC466FF)
YUV	147.5480, 52.9738, 42.4924
Hunter-Lab	53.3465, 59.1047, -71.2693

Details

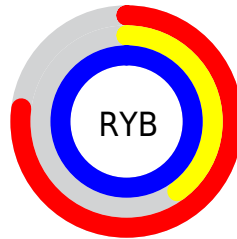
The Yxy color **28.4585, 0.2653, 0.1657** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **80.0608, 0.3342, 0.5062**, and the grayscale version is **29.1902, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.5939, 0.3172, 0.2338**, and **11.3885, 0.2481, 0.1312** is the 20% darker color. If you saturate the color by 10%, you get **22.9160, 0.2548, 0.1426**, and if you desaturate by 10%, it is **35.6267, 0.2755, 0.1920**.

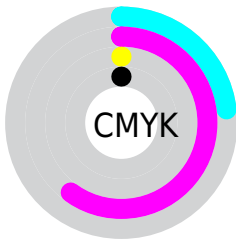
Distribution



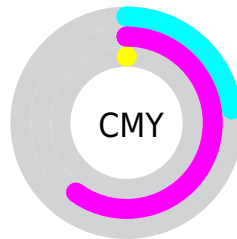
- Red (77%)
- Green (40%)
- Blue (100%)



- Red (77%)
- Yellow (40%)
- Blue (100%)



- Cyan (23%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)





- Cyan (23%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.4585, 0.2653, 0.1657 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 28.4585, 0.2653, 0.1657 by changing the saturation by 10% instead.


 28.4585, 0.2653,
0.1657


 28.4585, 0.2653,
0.1657


294.6514, 0.2929,
0.2398


 18.6716, 0.2577,
0.1499


 57.2156, 0.2759,
0.1907

 11.4332, 0.2478,
0.1312


 76.9546, 0.2798,
0.2006

 6.3590, 0.2344,
0.1090


 100.7798, 0.2829,
0.2093

 3.0646, 0.2158,
0.0829

 129.0754, 0.2856,
0.2169

 1.1655, 0.1892,
0.0534

162.2260, 0.2878,
0.2237

 0.0333, 0.1537,
0.0029

200.6159, 0.2898,

 0.0000, 0.0894,

0.2297

0.0000

244.6296, 0.2914,
0.2350

0.0000, 0.0000,
0.0000

28.4585, 0.2653,
0.1657

28.4585, 0.2653,
0.1657

22.9160, 0.2548,
0.1426

35.6267, 0.2755,
0.1920

18.8536, 0.2442,
0.1238

44.5527, 0.2849,
0.2201

16.0940, 0.2341,
0.1101

55.3519, 0.2934,
0.2488

14.3502, 0.2246,
0.1011

68.1302, 0.3009,
0.2769

14.3494, 0.2246,
0.1011

82.9857, 0.3073,
0.3039

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.



28.4585, 0.1673, 0.1432



28.4585, 0.2653, 0.1657



28.4585, 0.4093, 0.2165

Triad

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



28.4585, 0.2653, 0.1657



28.4585, 0.5237, 0.4540



28.4585, 0.1232, 0.3155

Complementary

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



28.4585, 0.2653, 0.1657



80.0608, 0.3342, 0.5062

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.



28.4585, 0.1926, 0.4953



28.4585, 0.2653, 0.1657



28.4585, 0.4204, 0.5519

Square

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



28.4585, 0.2653, 0.1657



28.4585, 0.5783, 0.3642



28.4585, 0.3025, 0.5985



28.4585, 0.1022, 0.1999

Rectangle

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



28.4585, 0.2653, 0.1657



28.4585, 0.5040, 0.2620



28.4585, 0.3025, 0.5985



28.4585, 0.1404, 0.3720

Sweetspot

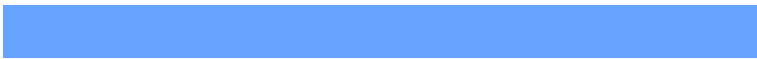
The Sweet Spot groups the original color and five complimentary colors.



28.4577, 0.2653, 0.1657



70.9246, 0.3022, 0.2824



36.3139, 0.2124, 0.2103



14.3142, 0.3002, 0.2744



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.



28.4577, 0.2653, 0.1657



21.9880, 0.2526, 0.1384



37.0389, 0.3337, 0.2004



17.9300, 0.3076, 0.3051



7.5865, 0.2261, 0.1019



0.8017, 0.2367, 0.1078

Inverse Universe

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



33.3400, 0.4256, 0.2707



27.7777, 0.4625, 0.2653



75.6373, 0.2979, 0.5066



18.1031, 0.3233, 0.3199



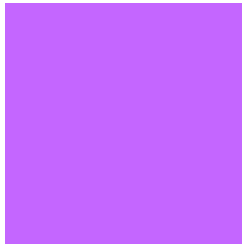
11.6004, 0.5442, 0.2771



1.1501, 0.5136, 0.2603

Previews

White Background



This preview shows how the Yxy color 28.4585, 0.2653, 0.1657 looks on a white background.

Color Contrast Check

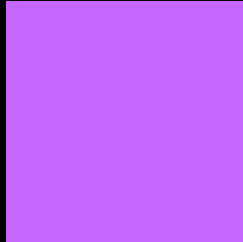
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.4585, 0.2653, 0.1657 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

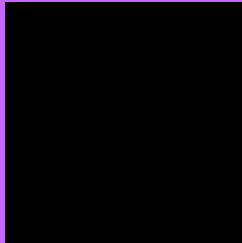
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.4585, 0.2653, 0.1657

Background



This preview shows how black text looks on a background with the Yxy color 28.4585, 0.2653, 0.1657.



This preview shows how white text looks on a background with the Yxy color 28.4585, 0.2653, 0.1657.

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

28.4585, 0.2653, 0.1657

Protanopia

28.8413, 0.2015, 0.1809

Deuteranopia

28.9377, 0.1988, 0.1930



Tritanopia

28.2537, 0.3523, 0.3132

Trichromacy



Original Color

28.4585, 0.2653, 0.1657



Protanomaly

27.1446, 0.2178, 0.1697



Deuteranomaly

26.9237, 0.2140, 0.1763



Tritanomaly

27.6940, 0.3177, 0.2470

Monochromacy



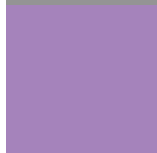
Original Color

28.4585, 0.2653, 0.1657



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

27.8198, 0.2935, 0.2504

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.4585, 0.2653, 0.1657 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, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(196, 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(196, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 102, 255) }
```

Border

The CSS property to change the border of an element to Yxy 28.4585, 0.2653, 0.1657 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, 102, 255) }
```

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

```
.border{ border-color:rgb(196, 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(196, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(196, 102,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 28.4585, 0.2653, 0.1657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 102, 255) }
```

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

```
.background{ background-color: rgb(196,  
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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