

Converting Colors

$Y_{xy}(30.3331, 0.2773, 0.1710)$

Have a look what the booklet for
Yxy(30.3331, 0.2773, 0.1710)
contains.

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Color

Yxy(30.2781, 0.2770, 0.1708)

Conversions

Conversions Part 1

Format	Color
Hex	D166FF
RGB	209, 102, 255
RGB Percent	82%, 40%, 100%
CMY	0.1803, 0.6001, 0.0000
CMYK	0.18, 0.60, 0.00, 0.00
HSL	282°, 100%, 70%
HSV	282°, 60%, 100%
XYZ	49.1044, 30.2781, 97.8897
YIQ	151.4350, 14.6590, 70.2670

Conversions

Conversions Part 2

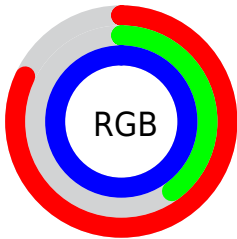
Format	Color
R _{YB}	209, 102, 255
Decimal	13723391
CIE _{Lab}	61.89, 65.46, -58.73
CIE _{LCh}	62, 87.941, 318.100
Yxy	30.2781, 0.2770, 0.1708
Android (android.graphics.Color)	4291913471 (0xFFD166FF)
YUV	151.4350, 51.0575, 50.4845
Hunter-Lab	55.0255, 62.9975, -66.9583

Details

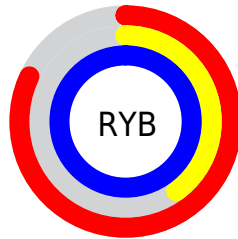
The Yxy color **30.2781, 0.2770, 0.1708** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **78.7705, 0.3265, 0.5107**, and the grayscale version is **30.9129, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.9337, 0.3171, 0.2347**, and **12.4119, 0.2634, 0.1377** is the 20% darker color. If you saturate the color by 10%, you get **24.9229, 0.2689, 0.1494**, and if you desaturate by 10%, it is **37.2262, 0.2848, 0.1955**.

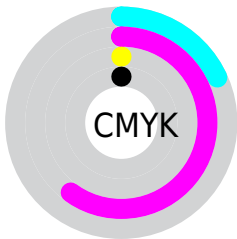
Distribution



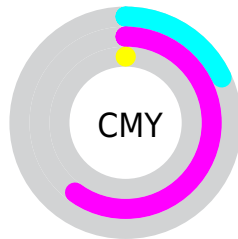
- Red (82%)
- Green (40%)
- Blue (100%)



- Red (82%)
- Yellow (40%)
- Blue (100%)



- Cyan (18%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)





- Cyan (18%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.2781, 0.2770, 0.1708 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 30.2781, 0.2770, 0.1708 by changing the saturation by 10% instead.

 30.2781, 0.2770,
0.1708


 30.2781, 0.2770,
0.1708


303.1986, 0.2986,
0.2423

 20.0498, 0.2709,
0.1555


 60.1017, 0.2855,
0.1949


 12.4312, 0.2628,
0.1375


 80.4658, 0.2885,
0.2045

 7.0381, 0.2517,
0.1159


 104.9772, 0.2910,
0.2128

 3.4859, 0.2360,
0.0904

 134.0204, 0.2930,
0.2202

 1.3904, 0.2131,
0.0609

167.9797, 0.2947,
0.2267

 0.2096, 0.1807,
0.0172

207.2396, 0.2962,


 0.0000, 0.1263,


0.2324


0.0000

252.1844, 0.2975,
0.2376


 0.0000, 0.0000,
0.0000


 30.2781, 0.2770,
0.1708

 30.2781, 0.2770,
0.1708


 24.9229, 0.2689,
0.1494

 37.2262, 0.2848,
0.1955

 21.0156, 0.2606,
0.1323


 45.8982, 0.2920,
0.2223

 18.3800, 0.2525,
0.1200

 56.4087, 0.2984,
0.2499

 16.7306, 0.2447,
0.1122

 68.8630, 0.3040,
0.2774

 83.3581, 0.3087,
0.3039

99.9848, 0.3127,
0.3290

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.



30.2781, 0.1754, 0.1459



30.2781, 0.2770, 0.1708



30.2781, 0.4210, 0.2234

Triad

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



30.2781, 0.2770, 0.1708



30.2781, 0.5144, 0.4622



30.2781, 0.1220, 0.3030

Complementary

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



30.2781, 0.2770, 0.1708



78.7705, 0.3265, 0.5107

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.



30.2781, 0.1866, 0.4772



30.2781, 0.2770, 0.1708



30.2781, 0.4104, 0.5570

Square

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



30.2781, 0.2770, 0.1708



30.2781, 0.5735, 0.3720



30.2781, 0.2935, 0.5918



30.2781, 0.1043, 0.1954

Rectangle

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



30.2781, 0.2770, 0.1708



30.2781, 0.5113, 0.2694



30.2781, 0.2935, 0.5918



30.2781, 0.1377, 0.3565

Sweetspot

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



30.2773, 0.2770, 0.1708



71.6076, 0.3050, 0.2828



31.9953, 0.2085, 0.1934



14.4816, 0.3035, 0.2750



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.



30.2773, 0.2770, 0.1708



24.0345, 0.2672, 0.1456



36.3015, 0.3467, 0.2103



18.0104, 0.3090, 0.3052



8.8236, 0.2460, 0.1129



0.9161, 0.2547, 0.1177

Inverse Universe

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



32.8951, 0.4430, 0.2839



27.3385, 0.4860, 0.2808



75.9561, 0.2928, 0.4912



18.0769, 0.3247, 0.3219



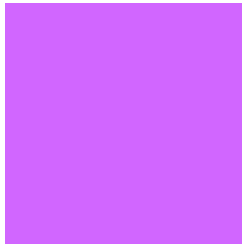
11.4088, 0.5767, 0.2951



1.1292, 0.5447, 0.2774

Previews

White Background



This preview shows how the Yxy color 30.2781, 0.2770, 0.1708 looks on a white background.

Color Contrast Check

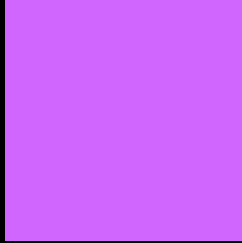
Large Text (above 18pt) WCAG AA × Fail

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 30.2781, 0.2770, 0.1708 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 ✓ Pass

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

Yxy 30.2781, 0.2770, 0.1708

Background



This preview shows how black text looks on a background with the Yxy color 30.2781, 0.2770, 0.1708.



This preview shows how white text looks on a background with the Yxy color 30.2781, 0.2770, 0.1708.

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

30.2781, 0.2770, 0.1708

Protanopia

30.5445, 0.2068, 0.1874

Deuteranopia

30.5904, 0.2060, 0.1991



Tritanopia

29.9647, 0.3694, 0.3155

Trichromacy



Original Color

30.2781, 0.2770, 0.1708



Protanomaly

28.7607, 0.2249, 0.1756



Deuteranomaly

28.6012, 0.2239, 0.1821



Tritanomaly

29.3855, 0.3318, 0.2506

Monochromacy



Original Color

30.2781, 0.2770, 0.1708



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

29.2198, 0.2988, 0.2524

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2781, 0.2770, 0.1708 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(209, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(209, 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(209, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 102, 255) }
```

Border

The CSS property to change the border of an element to Yxy 30.2781, 0.2770, 0.1708 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(209, 102, 255) }
```

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

```
.border{ border-color:rgb(209, 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(209, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(209, 102,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2781, 0.2770, 0.1708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 102, 255) }
```

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

```
.background{ background-color: rgb(209,  
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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