

Converting Colors

$Y_{xy}(31.7773, 0.2860, 0.1749)$

Have a look what the booklet for
Yxy(31.7773, 0.2860, 0.1749)
contains.

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Color

Yxy(31.7828, 0.2861, 0.1748)

Conversions

Conversions Part 1

Format	Color
Hex	DB66FF
RGB	219, 102, 255
RGB Percent	86%, 40%, 100%
CMY	0.1411, 0.6000, 0.0000
CMYK	0.14, 0.60, 0.00, 0.00
HSL	286°, 100%, 70%
HSV	286°, 60%, 100%
XYZ	52.0198, 31.7828, 98.0212
YIQ	154.4250, 20.6190, 72.3870

Conversions

Conversions Part 2

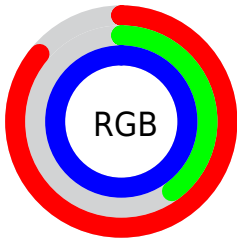
Format	Color
R _Y B	219, 102, 255
Decimal	14378751
CIE Lab	63.16, 67.77, -56.63
CIE LCh	63, 88.315, 320.119
Yxy	31.7828, 0.2861, 0.1748
Android (android.graphics.Color)	4292568831 (0xFFDB66FF)
YUV	154.4250, 49.5835, 56.6323
Hunter-Lab	56.3762, 66.0481, -63.6240

Details

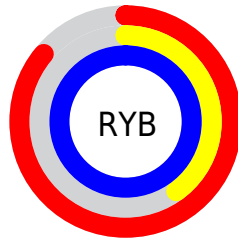
The Yxy color **31.7828, 0.2861, 0.1748** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **77.8806, 0.3209, 0.5139**, and the grayscale version is **32.2808, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.9337, 0.3171, 0.2347**, and **13.2326, 0.2744, 0.1427** is the 20% darker color. If you saturate the color by 10%, you get **26.6047, 0.2798, 0.1547**, and if you desaturate by 10%, it is **38.5346, 0.2920, 0.1983**.

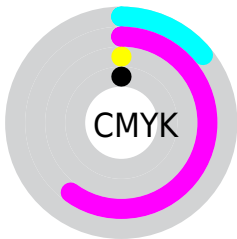
Distribution



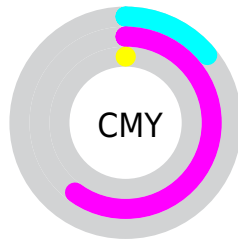
- Red (86%)
- Green (40%)
- Blue (100%)



- Red (86%)
- Yellow (40%)
- Blue (100%)



- Cyan (14%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)



- Cyan (14%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.7828, 0.2861, 0.1748 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 31.7828, 0.2861, 0.1748 by changing the saturation by 10% instead.


 31.7828, 0.2861,
0.1748


 31.7828, 0.2861,
0.1748


310.1286, 0.3030,
0.2442

 21.1957, 0.2811,
0.1600


 62.4704, 0.2929,
0.1982


 13.2671, 0.2745,
0.1424


 83.3397, 0.2953,
0.2075

 7.6127, 0.2652,
0.1214


 108.4051, 0.2972,
0.2156

 3.8482, 0.2520,
0.0963

 138.0512, 0.2988,
0.2227

 1.5890, 0.2321,
0.0670

172.6621, 0.3001,
0.2290

 0.3502, 0.2028,
0.0275


212.6224, 0.3012,

 0.0000, 0.1536,


0.2346

0.0000

258.3165, 0.3022,
0.2397


 0.0000, 0.0000,
0.0000


 31.7828, 0.2861,
0.1748


 31.7828, 0.2861,
0.1748


 26.6047, 0.2798,
0.1547


 38.5346, 0.2920,
0.1983


 22.8544, 0.2734,
0.1390


 46.9892, 0.2974,
0.2240

 20.3563, 0.2670,
0.1279

 57.2614, 0.3022,
0.2508

 18.8250, 0.2609,
0.1211

 69.4560, 0.3064,
0.2778

 83.6699, 0.3098,
0.3040

99.9932, 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.



31.7828, 0.1818, 0.1481



31.7828, 0.2861, 0.1748



31.7828, 0.4297, 0.2287

Triad

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



31.7828, 0.2861, 0.1748



31.7828, 0.5072, 0.4684



31.7828, 0.1212, 0.2940

Complementary

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



31.7828, 0.2861, 0.1748



77.8806, 0.3209, 0.5139

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.



31.7828, 0.1821, 0.4634



31.7828, 0.2861, 0.1748



31.7828, 0.4027, 0.5604

Square

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



31.7828, 0.2861, 0.1748



31.7828, 0.5695, 0.3780



31.7828, 0.2865, 0.5857



31.7828, 0.1060, 0.1923

Rectangle

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



31.7828, 0.2861, 0.1748



31.7828, 0.5165, 0.2750



31.7828, 0.2865, 0.5857



31.7828, 0.1358, 0.3451

Sweetspot

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



31.7825, 0.2861, 0.1748



72.1396, 0.3071, 0.2831



28.8713, 0.2056, 0.1802



14.6125, 0.3060, 0.2754



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.



31.7825, 0.2861, 0.1748



25.7472, 0.2786, 0.1512



35.7574, 0.3576, 0.2187



18.0724, 0.3100, 0.3053



9.9080, 0.2619, 0.1216



1.0142, 0.2689, 0.1255

Inverse Universe

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



32.5952, 0.4563, 0.2941



27.0458, 0.5037, 0.2924



76.2448, 0.2885, 0.4782



18.0571, 0.3257, 0.3234



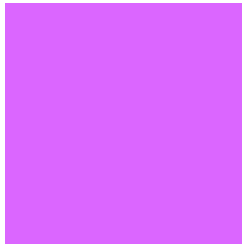
11.2981, 0.5981, 0.3068



1.1161, 0.5670, 0.2897

Previews

White Background



This preview shows how the Yxy color 31.7828, 0.2861, 0.1748 looks on a white background.

Color Contrast Check

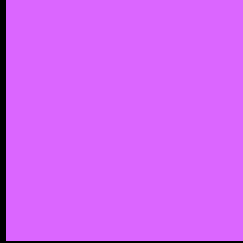
Large Text (above 18pt) WCAG AA × Fail

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 31.7828, 0.2861, 0.1748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

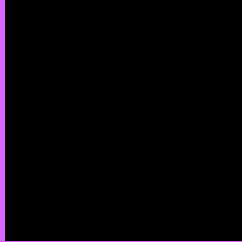
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.7828, 0.2861, 0.1748

Background



This preview shows how black text looks on a background with the Yxy color 31.7828, 0.2861, 0.1748.



This preview shows how white text looks on a background with the Yxy color 31.7828, 0.2861, 0.1748.

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

31.7828, 0.2861, 0.1748

Protanopia

32.2208, 0.2113, 0.1937

Deuteranopia

32.0889, 0.2114, 0.2045



Tritanopia

31.4547, 0.3817, 0.3162

Trichromacy



Original Color

31.7828, 0.2861, 0.1748



Protanomaly

30.2910, 0.2309, 0.1810



Deuteranomaly

29.7294, 0.2308, 0.1857



Tritanomaly

30.9351, 0.3436, 0.2537

Monochromacy



Original Color

31.7828, 0.2861, 0.1748



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

30.5545, 0.3029, 0.2541

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7828, 0.2861, 0.1748 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(219, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(219, 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(219, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 102, 255) }
```

Border

The CSS property to change the border of an element to Yxy 31.7828, 0.2861, 0.1748 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(219, 102, 255) }
```

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

```
.border{ border-color:rgb(219, 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(219, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(219, 102,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7828, 0.2861, 0.1748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 102, 255) }
```

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

```
.background{ background-color: rgb(219,  
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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