

Converting Colors

$Y_{xy}(32.0854, 0.2879, 0.1756)$

Have a look what the booklet for
Yxy(32.0854, 0.2879, 0.1756)
contains.

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Color

Yxy(32.0949, 0.2879, 0.1756)

Conversions

Conversions Part 1

Format	Color
Hex	DD66FF
RGB	221, 102, 255
RGB Percent	87%, 40%, 100%
CMY	0.1334, 0.6000, 0.0000
CMYK	0.13, 0.60, 0.00, 0.00
HSL	287°, 100%, 70%
HSV	287°, 60%, 100%
XYZ	52.6203, 32.0949, 98.0576
YIQ	155.0230, 21.8110, 72.8110

Conversions

Conversions Part 2

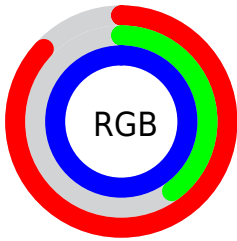
Format	Color
R _Y B	221, 102, 255
Decimal	14509823
CIE Lab	63.42, 68.23, -56.21
CIE LCh	63, 88.396, 320.517
Yxy	32.0949, 0.2879, 0.1756
Android (android.graphics.Color)	4292699903 (0xFFDD66FF)
YUV	155.0230, 49.2887, 57.8618
Hunter-Lab	56.6524, 66.6541, -62.9663

Details

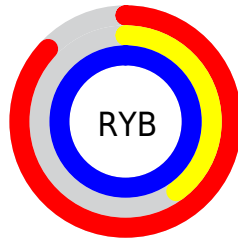
The Yxy color **32.0949, 0.2879, 0.1756** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **77.7158, 0.3198, 0.5145**, and the grayscale version is **32.5596, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.2763, 0.3171, 0.2357**, and **13.3685, 0.2768, 0.1434** is the 20% darker color. If you saturate the color by 10%, you get **26.9539, 0.2820, 0.1558**, and if you desaturate by 10%, it is **38.8051, 0.2935, 0.1988**.

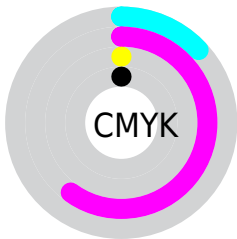
Distribution



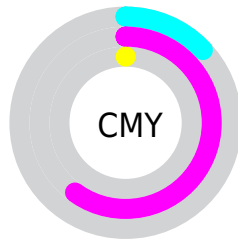
- Red (87%)
- Green (40%)
- Blue (100%)



- Red (87%)
- Yellow (40%)
- Blue (100%)



- Cyan (13%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)





- Cyan (13%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.0949, 0.2879, 0.1756 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 32.0949, 0.2879, 0.1756 by changing the saturation by 10% instead.

 32.0949, 0.2879,
0.1756


 32.0949, 0.2879,
0.1756


311.5513, 0.3039,
0.2446


 21.4340, 0.2832,
0.1609


 62.9598, 0.2943,
0.1988


 13.4416, 0.2768,
0.1434


 83.9326, 0.2966,
0.2081

 7.7333, 0.2679,
0.1225


 109.1116, 0.2984,
0.2161

 3.9248, 0.2551,
0.0975

 138.8810, 0.2999,
0.2232

 1.6316, 0.2359,
0.0682

173.6252, 0.3012,
0.2295

 0.3788, 0.2073,
0.0294

213.7288, 0.3022,

 0.0000, 0.1592,

0.2351

0.0000

259.5760, 0.3031,
0.2401

■ 0.0000, 0.0000,
0.0000

■ 32.0949, 0.2879,
0.1756

■ 32.0949, 0.2879,
0.1756

■ 26.9539, 0.2820,
0.1558

■ 38.8051, 0.2935,
0.1988

■ 23.2379, 0.2760,
0.1403

■ 47.2152, 0.2985,
0.2244

■ 20.7710, 0.2700,
0.1295

■ 57.4395, 0.3030,
0.2510

■ 19.2674, 0.2641,
0.1229

■ 69.5826, 0.3068,
0.2779

■ 19.2670, 0.2641,
0.1229

■ 83.7414, 0.3101,
0.3041

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.



32.0949, 0.1831, 0.1486



32.0949, 0.2879, 0.1756



32.0949, 0.4314, 0.2298

Triad

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



32.0949, 0.2879, 0.1756



32.0949, 0.5058, 0.4697



32.0949, 0.1210, 0.2922

Complementary

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



32.0949, 0.2879, 0.1756



77.7158, 0.3198, 0.5145

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.



32.0949, 0.1813, 0.4607



32.0949, 0.2879, 0.1756



32.0949, 0.4012, 0.5610

Square

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



32.0949, 0.2879, 0.1756



32.0949, 0.5687, 0.3792



32.0949, 0.2852, 0.5844



32.0949, 0.1064, 0.1917

Rectangle

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



32.0949, 0.2879, 0.1756



32.0949, 0.5174, 0.2761



32.0949, 0.2852, 0.5844



32.0949, 0.1354, 0.3430

Sweetspot

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



32.0940, 0.2879, 0.1756



72.2456, 0.3075, 0.2832



28.1382, 0.2048, 0.1769



14.6386, 0.3065, 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.



32.0940, 0.2879, 0.1756



26.1005, 0.2808, 0.1523



35.6298, 0.3604, 0.2208



18.0847, 0.3102, 0.3053



10.1365, 0.2651, 0.1234



1.0347, 0.2717, 0.1271

Inverse Universe

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



32.5427, 0.4589, 0.2961



26.9923, 0.5071, 0.2947



76.3226, 0.2874, 0.4749



18.0532, 0.3259, 0.3237



11.2797, 0.6018, 0.3089



1.1138, 0.5712, 0.2920

Previews

White Background



This preview shows how the Yxy color 32.0949, 0.2879, 0.1756 looks on a white background.

Color Contrast Check

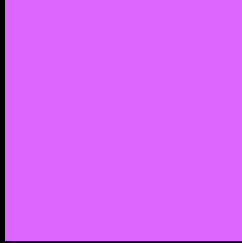
Large Text (above 18pt) WCAG AA × Fail

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 32.0949, 0.2879, 0.1756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

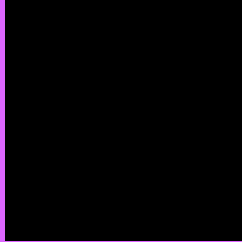
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.0949, 0.2879, 0.1756

Background



This preview shows how black text looks on a background with the Yxy color 32.0949, 0.2879, 0.1756.



This preview shows how white text looks on a background with the Yxy color 32.0949, 0.2879, 0.1756.

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

32.0949, 0.2879, 0.1756

Protanopia

32.6044, 0.2120, 0.1952

Deuteranopia

32.4705, 0.2131, 0.2071



Tritanopia

31.7374, 0.3839, 0.3163

Trichromacy



Original Color

32.0949, 0.2879, 0.1756



Protanomaly

30.4791, 0.2323, 0.1815



Deuteranomaly

30.1872, 0.2324, 0.1874



Tritanomaly

31.2286, 0.3458, 0.2542

Monochromacy



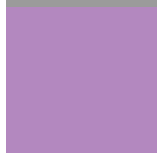
Original Color

32.0949, 0.2879, 0.1756



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

30.9536, 0.3039, 0.2557

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.0949, 0.2879, 0.1756 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(221, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(221, 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(221, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 102, 255) }
```

Border

The CSS property to change the border of an element to Yxy 32.0949, 0.2879, 0.1756 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(221, 102, 255) }
```

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

```
.border{ border-color:rgb(221, 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(221, 102, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(221, 102,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 32.0949, 0.2879, 0.1756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 102, 255) }
```

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

```
.background{ background-color: rgb(221,  
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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