

Converting Colors

$Y_{xy}(36.6320, 0.2784, 0.1954)$

Have a look what the booklet for
Yxy(36.6320, 0.2784, 0.1954)
contains.

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Color

Yxy(36.7406, 0.2783, 0.1954)

Conversions

Conversions Part 1

Format	Color
Hex	D182FF
RGB	209, 130, 255
RGB Percent	82%, 51%, 100%
CMY	0.1804, 0.4902, 0.0000
CMYK	0.18, 0.49, 0.00, 0.00
HSL	278°, 100%, 75%
HSV	278°, 49%, 100%
XYZ	52.3281, 36.7406, 98.9589
YIQ	167.8710, 6.9590, 55.6230

Conversions

Conversions Part 2

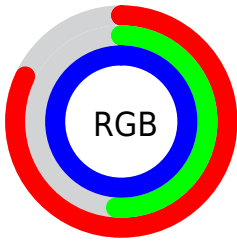
Format	Color
R _Y B	209, 130, 255
Decimal	13730559
CIE Lab	67.08, 51.69, -50.48
CIE LCh	67, 72.250, 315.673
Yxy	36.7406, 0.2783, 0.1954
Android (android.graphics.Color)	4291920639 (0xFFD182FF)
YUV	167.8710, 42.9546, 36.0701
Hunter-Lab	60.6140, 48.0245, -54.3675

Details

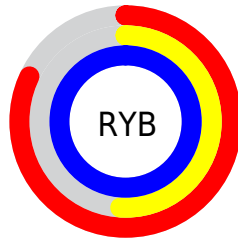
The Yxy color $36.7406, 0.2783, 0.1954$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $82.3630, 0.3315, 0.4733$, and the grayscale version is $38.8741, 0.3127, 0.3290$.

A 20% lighter version of the original color is $63.1779, 0.3159, 0.2604$, and $16.0604, 0.2659, 0.1655$ is the 20% darker color. If you saturate the color by 10%, you get $29.4479, 0.2687, 0.1692$, and if you desaturate by 10%, it is $45.7947, 0.2872, 0.2234$.

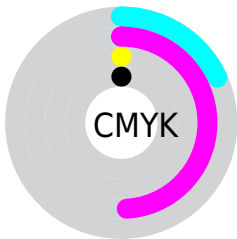
Distribution



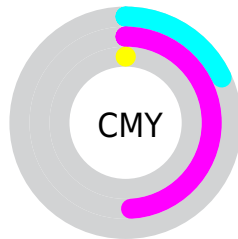
- Red (82%)
- Green (51%)
- Blue (100%)



- Red (82%)
- Yellow (51%)
- Blue (100%)



- Cyan (18%)
- Magenta (49%)
- Yellow (0%)
- Black (0%)




- Cyan (18%)
- Magenta (49%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7406, 0.2783, 0.1954 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 36.7406, 0.2783, 0.1954 by changing the saturation by 10% instead.


 36.7406, 0.2783,
0.1954


 36.7406, 0.2783,
0.1954


332.1861, 0.2978,
0.2563

 25.0067, 0.2730,
0.1821


 70.1736, 0.2857,
0.2161

 16.0821, 0.2661,
0.1661


 92.6416, 0.2884,
0.2243

 9.5822, 0.2568,
0.1467


 119.4564, 0.2907,
0.2314

 5.1229, 0.2438,
0.1228

151.0023, 0.2926,
0.2376

 2.3195, 0.2247,
0.0935

187.6639, 0.2942,
0.2431

 0.7840, 0.1957,
0.0584

229.8254, 0.2955,

 0.0000, 0.1532,

0.2480


0.0000

277.8714, 0.2967,
0.2523


 0.0000, 0.0000,
0.0000

 36.7406, 0.2783,
0.1954


 36.7406, 0.2783,
0.1954


 29.4479, 0.2687,
0.1692


 45.7947, 0.2872,
0.2234


 23.7884, 0.2587,
0.1460


 56.7248, 0.2952,
0.2518

 19.6166, 0.2485,
0.1271

 69.6359, 0.3022,
0.2797

 16.7595, 0.2388,
0.1132

 84.6251, 0.3081,
0.3064

 14.9628, 0.2296,
0.1041

100.0000, 0.3127,
0.3290

■ 14.8122, 0.2287,
0.1033

Harmonies

Analogous

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



36.7406, 0.1961, 0.1759



36.7406, 0.2783, 0.1954



36.7406, 0.3891, 0.2396

Triad

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



36.7406, 0.2783, 0.1954



36.7406, 0.4899, 0.4453



36.7406, 0.1607, 0.3232

Complementary

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



36.7406, 0.2783, 0.1954



82.3630, 0.3315, 0.4733

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.



36.7406, 0.2225, 0.4495



36.7406, 0.2783, 0.1954



36.7406, 0.4117, 0.5124

Square

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



36.7406, 0.2783, 0.1954



36.7406, 0.5236, 0.3709



36.7406, 0.3149, 0.5288



36.7406, 0.1386, 0.2301

Rectangle

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



36.7406, 0.2783, 0.1954



36.7406, 0.4597, 0.2794



36.7406, 0.3149, 0.5288



36.7406, 0.1768, 0.3643

Sweetspot

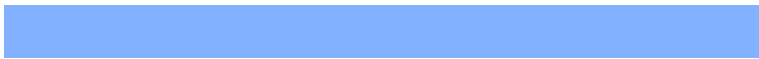
The Sweet Spot groups the original color and five complimentary colors.



36.7407, 0.2783, 0.1954



75.4039, 0.3047, 0.2906



43.7746, 0.2299, 0.2332



15.4828, 0.3034, 0.2849



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.



36.7407, 0.2783, 0.1954



29.4597, 0.2687, 0.1692



43.5423, 0.3312, 0.2218



17.9467, 0.3079, 0.3051



7.8274, 0.2301, 0.1041



0.8242, 0.2404, 0.1098

Inverse Universe

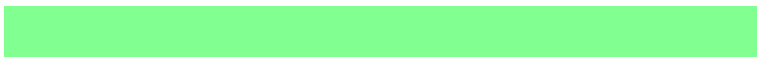
The Inverse Universe completely reimagines the original color for something new.



40.3612, 0.3982, 0.2817



33.8071, 0.4262, 0.2740



78.2977, 0.2989, 0.4676



18.0976, 0.3236, 0.3203



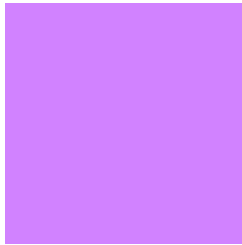
11.5560, 0.5513, 0.2810



1.1454, 0.5201, 0.2639

Previews

White Background



This preview shows how the Yxy color 36.7406, 0.2783, 0.1954 looks on a white background.

Color Contrast Check

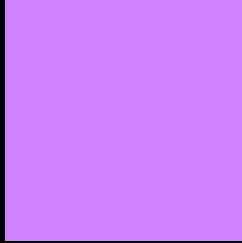
Large Text (above 18pt) WCAG AA × Fail

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 36.7406, 0.2783, 0.1954 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

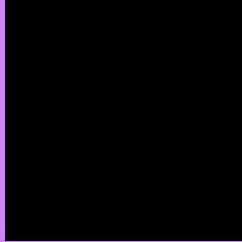
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.7406, 0.2783, 0.1954

Background



This preview shows how black text looks on a background with the Yxy color 36.7406, 0.2783, 0.1954.



This preview shows how white text looks on a background with the Yxy color 36.7406, 0.2783, 0.1954.

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

36.7406, 0.2783, 0.1954

Protanopia

37.2989, 0.2246, 0.2111

Deuteranopia

37.1715, 0.2246, 0.2184



Tritanopia

36.7389, 0.3448, 0.3133

Trichromacy



Original Color

36.7406, 0.2783, 0.1954



Protanomaly

36.2008, 0.2403, 0.2029



Deuteranomaly

35.9683, 0.2406, 0.2070

Tritanomaly

36.2571, 0.3187, 0.2634

Monochromacy



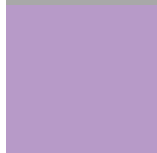
Original Color

36.7406, 0.2783, 0.1954



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

37.3486, 0.2997, 0.2696

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7406, 0.2783, 0.1954 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, 130, 255)` looks like.

```
.text, #text, p{  
    color:rgb(209, 130, 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, 130, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 130, 255) }
```

Border

The CSS property to change the border of an element to Yxy 36.7406, 0.2783, 0.1954 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, 130, 255) }
```

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

```
.border{ border-color:rgb(209, 130, 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, 130, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 130, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 130, 255);  
box-shadow:4px 4px 4px 4px rgb(209, 130,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7406, 0.2783, 0.1954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 130, 255) }
```

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

```
.background{ background-color: rgb(209,  
130, 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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