

Converting Colors

$Y_{xy}(35.1156, 0.2251, 0.1725)$

Have a look what the booklet for
Yxy(35.1156, 0.2251, 0.1725)
contains.

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Color

Yxy(33.3377, 0.2380, 0.1922)

Conversions

Conversions Part 1

Format	Color
Hex	9C8DFF
RGB	156, 141, 255
RGB Percent	61%, 55%, 100%
CMY	0.3882, 0.4470, 0.0002
CMYK	0.39, 0.45, 0.00, 0.00
HSL	248°, 100%, 78%
HSV	248°, 45%, 100%
XYZ	41.2819, 33.3377, 98.8336
YIQ	158.4810, -27.6540, 38.6340

Conversions

Conversions Part 2

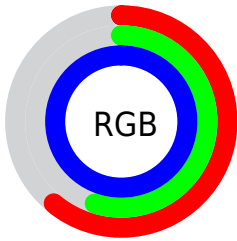
Format	Color
R _Y B	156, 141, 255
Decimal	10259967
CIE Lab	64.43, 31.96, -54.97
CIE LCh	64, 63.584, 300.174
Yxy	33.3377, 0.2380, 0.1922
Android (android.graphics.Color)	4288450047 (0xFF9C8DFF)
YUV	158.4810, 47.5839, -2.1758
Hunter-Lab	57.7388, 26.5803, -61.0717

Details

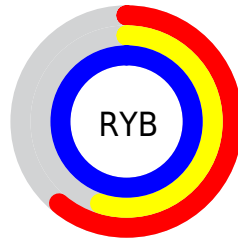
The Yxy color **33.3377, 0.2380, 0.1922** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **91.9356, 0.3689, 0.4434**, and the grayscale version is **34.2128, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.5464, 0.2855, 0.2647**, and **14.2120, 0.2157, 0.1607** is the 20% darker color. If you saturate the color by 10%, you get **24.6542, 0.2179, 0.1578**, and if you desaturate by 10%, it is **44.1565, 0.2576, 0.2267**.

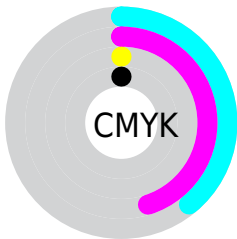
Distribution



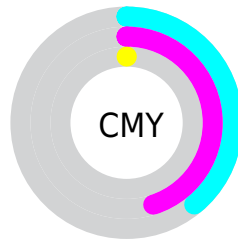
- Red (61%)
- Green (55%)
- Blue (100%)



- Red (61%)
- Yellow (55%)
- Blue (100%)



- Cyan (39%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)



- Cyan (39%)
- Magenta (45%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3377, 0.2380, 0.1922 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 33.3377, 0.2380, 0.1922 by changing the saturation by 10% instead.


 33.3377, 0.2380,
0.1922


 33.3377, 0.2380,
0.1922


317.1687, 0.2768,
0.2563


 22.3853, 0.2283,
0.1779


 64.9024, 0.2522,
0.2143

 14.1403, 0.2160,
0.1606


 86.2835, 0.2575,
0.2229

 8.2183, 0.2001,
0.1395


 111.9095, 0.2620,
0.2304

 4.2349, 0.1789,
0.1136

142.1650, 0.2658,
0.2370

 1.8058, 0.1501,
0.0821

177.4342, 0.2692,
0.2427

 0.4908, 0.1115,
0.0416

218.1017, 0.2720,

 0.0000, 0.0355,

0.2478

0.0000


264.5517, 0.2746,
0.2523


 0.0000, 0.0000,
0.0000


 33.3377, 0.2380,
0.1922


 33.3377, 0.2380,
0.1922

 24.6542, 0.2179,
0.1578


 44.1565, 0.2576,
0.2267


 17.9601, 0.1985,
0.1257


 57.2361, 0.2758,
0.2596

 13.0969, 0.1811,
0.0985

 72.6967, 0.2922,
0.2900

 9.8798, 0.1671,
0.0782

 90.6486, 0.3066,
0.3173

 8.0843, 0.1575,
0.0660

99.9975, 0.3127,
0.3290

■ 7.5505, 0.1541,
0.0623

Harmonies

Analogous

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



33.3377, 0.1786, 0.1876



33.3377, 0.2380, 0.1922



33.3377, 0.3292, 0.2224

Triad

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



33.3377, 0.2380, 0.1922



33.3377, 0.4994, 0.4044



33.3377, 0.1982, 0.3830

Complementary

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



33.3377, 0.2380, 0.1922



91.9356, 0.3689, 0.4434

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.



33.3377, 0.2735, 0.4840



33.3377, 0.2380, 0.1922



33.3377, 0.4472, 0.4713

Square

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



33.3377, 0.2380, 0.1922



33.3377, 0.4969, 0.3362



33.3377, 0.3646, 0.5127



33.3377, 0.1575, 0.2782

Rectangle

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



33.3377, 0.2380, 0.1922



33.3377, 0.3981, 0.2545



33.3377, 0.3646, 0.5127



33.3377, 0.2200, 0.4210

Sweetspot

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



33.3389, 0.2380, 0.1922



75.5866, 0.2947, 0.2948



76.1869, 0.2498, 0.3136



15.3830, 0.2914, 0.2885



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.



33.3389, 0.2380, 0.1922



25.1998, 0.2193, 0.1601



40.1595, 0.2808, 0.2069



17.4924, 0.2999, 0.3046



3.9817, 0.1549, 0.0627



0.4215, 0.1628, 0.0671

Inverse Universe

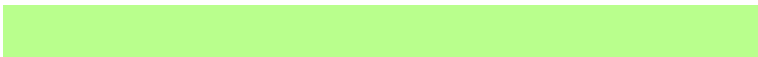
The Inverse Universe completely reimagines the original color for something new.



46.5930, 0.3308, 0.2319



40.1590, 0.3355, 0.2142



83.6944, 0.3317, 0.4590



18.2568, 0.3158, 0.3086



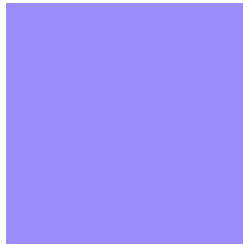
13.8642, 0.3573, 0.1742



1.3609, 0.3526, 0.1716

Previews

White Background



This preview shows how the Yxy color 33.3377, 0.2380, 0.1922 looks on a white background.

Color Contrast Check

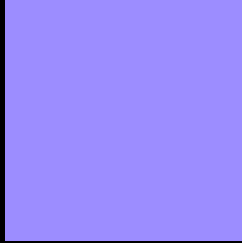
Large Text (above 18pt) WCAG AA × Fail

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 33.3377, 0.2380, 0.1922 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

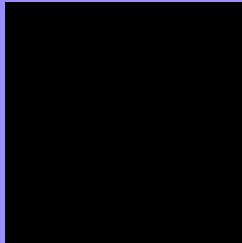
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.3377, 0.2380, 0.1922

Background



This preview shows how black text looks on a background with the Yxy color 33.3377, 0.2380, 0.1922.



This preview shows how white text looks on a background with the Yxy color 33.3377, 0.2380, 0.1922.

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

33.3377, 0.2380, 0.1922

Protanopia

33.6473, 0.2156, 0.1987

Deuteranopia

33.4579, 0.2100, 0.2030



Tritanopia

33.4385, 0.2818, 0.3106

Trichromacy



Original Color

33.3377, 0.2380, 0.1922

Protanomaly

33.4607, 0.2229, 0.1962

Deuteranomaly

33.2181, 0.2186, 0.1987

Tritanomaly

32.9760, 0.2642, 0.2596

Monochromacy



Original Color

33.3377, 0.2380, 0.1922

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

33.4748, 0.2819, 0.2715

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3377, 0.2380, 0.1922 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(156, 141, 255)` looks like.

```
.text, #text, p{  
    color:rgb(156, 141, 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(156, 141, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 141, 255) }
```

Border

The CSS property to change the border of an element to Yxy 33.3377, 0.2380, 0.1922 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(156, 141, 255) }
```

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

```
.border{ border-color:rgb(156, 141, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(156, 141, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 141, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 141, 255);  
box-shadow:4px 4px 4px 4px rgb(156, 141,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3377, 0.2380, 0.1922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 141, 255) }
```

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

```
.background{ background-color: rgb(156,  
141, 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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