

Converting Colors

$Y_{xy}(22.5343, 0.2125, 0.1482)$

Have a look what the booklet for
Yxy(22.5343, 0.2125, 0.1482)
contains.

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Color

Yxy(22.5343, 0.2125, 0.1482)

Conversions

Conversions Part 1

Format	Color
Hex	806CFF
RGB	128, 108, 255
RGB Percent	50%, 42%, 100%
CMY	0.4979, 0.5765, 0.0002
CMYK	0.50, 0.58, 0.00, 0.00
HSL	248°, 100%, 71%
HSV	248°, 58%, 100%
XYZ	32.3113, 22.5343, 97.2077
YIQ	130.7380, -35.2670, 49.9570

Conversions

Conversions Part 2

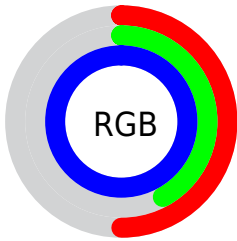
Format	Color
R _Y B	128, 108, 255
Decimal	8416511
CIE Lab	54.59, 44.70, -70.87
CIE LCh	55, 83.790, 302.237
Yxy	22.5343, 0.2125, 0.1482
Android (android.graphics.Color)	4286606591 (0xFF806CFF)
YUV	130.7380, 61.2612, -2.4012
Hunter-Lab	47.4703, 38.4255, -88.1823

Details

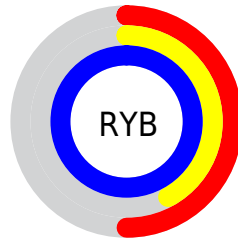
The Yxy color **22.5343, 0.2125, 0.1482** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **90.2149, 0.3812, 0.4732**, and the grayscale version is **22.3895, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.0530, 0.2639, 0.2212**, and **8.2491, 0.1817, 0.1090** is the 20% darker color. If you saturate the color by 10%, you get **16.3939, 0.1935, 0.1173**, and if you desaturate by 10%, it is **30.6183, 0.2325, 0.1821**.

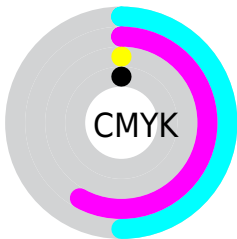
Distribution



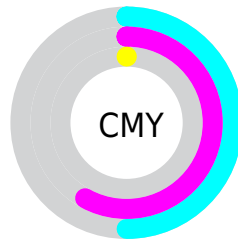
- Red (50%)
- Green (42%)
- Blue (100%)



- Red (50%)
- Yellow (42%)
- Blue (100%)



- Cyan (50%)
- Magenta (58%)
- Yellow (0%)
- Black (0%)




- Cyan (50%)
- Magenta (58%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.5343, 0.2125, 0.1482 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 22.5343, 0.2125, 0.1482 by changing the saturation by 10% instead.


 22.5343, 0.2125,
0.1482


 22.5343, 0.2125,
0.1482


265.3240, 0.2664,
0.2323


 14.2500, 0.1989,
0.1303

 47.6275, 0.2324,
0.1766


 8.2948, 0.1818,
0.1093


 65.2052, 0.2398,
0.1880

 4.2841, 0.1599,
0.0850


 86.6495, 0.2461,
0.1979

 1.8337, 0.1319,
0.0578

 112.3449, 0.2514,
0.2065

 0.5081, 0.0966,
0.0272

142.6756, 0.2560,
0.2141

 0.0000, 0.0514,
0.0000

178.0260, 0.2599,

 0.0000, 0.0000,

0.2209

0.0000

218.7807, 0.2634,
0.2269

■ 22.5343, 0.2125,
0.1482

■ 22.5343, 0.2125,
0.1482

■ 16.3939, 0.1935,
0.1173

■ 30.6183, 0.2325,
0.1821

■ 12.0293, 0.1770,
0.0919

■ 40.7901, 0.2522,
0.2167

■ 9.2476, 0.1642,
0.0740

■ 53.1828, 0.2708,
0.2502

■ 7.7978, 0.1558,
0.0640

■ 67.9177, 0.2877,
0.2814

■ 7.5696, 0.1543,
0.0624

■ 85.1072, 0.3026,
0.3096

99.9965, 0.3127,
0.3291

Harmonies

Analogous

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



22.5343, 0.1360, 0.1385



22.5343, 0.2125, 0.1482



22.5343, 0.3426, 0.1874

Triad

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



22.5343, 0.2125, 0.1482



22.5343, 0.5618, 0.4115



22.5343, 0.1424, 0.3936

Complementary

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



22.5343, 0.2125, 0.1482



90.2149, 0.3812, 0.4732

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.



22.5343, 0.2346, 0.5706



22.5343, 0.2125, 0.1482



22.5343, 0.4713, 0.5122

Square

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



22.5343, 0.2125, 0.1482



22.5343, 0.5827, 0.3271



22.5343, 0.3535, 0.5990



22.5343, 0.1019, 0.2374

Rectangle

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



22.5343, 0.2125, 0.1482



22.5343, 0.4473, 0.2282



22.5343, 0.3535, 0.5990



22.5343, 0.1678, 0.4592

Sweetspot

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



22.5350, 0.2125, 0.1482



68.9699, 0.2887, 0.2833



70.0241, 0.2357, 0.3054



14.0803, 0.2855, 0.2773



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.



22.5350, 0.2125, 0.1482



15.7051, 0.1911, 0.1135



30.3695, 0.2703, 0.1728



17.4965, 0.3000, 0.3046



3.9932, 0.1552, 0.0628



0.4234, 0.1633, 0.0673

Inverse Universe

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



37.9689, 0.3380, 0.2085



32.6293, 0.3441, 0.1920



80.2371, 0.3324, 0.5001



18.2553, 0.3159, 0.3087



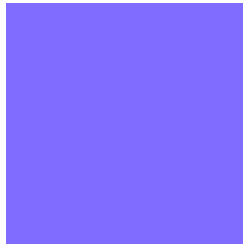
13.8318, 0.3587, 0.1750



1.3580, 0.3538, 0.1723

Previews

White Background



This preview shows how the Yxy color 22.5343, 0.2125, 0.1482 looks on a white background.

Color Contrast Check

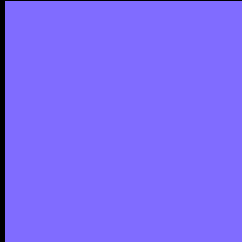
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.5343, 0.2125, 0.1482 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

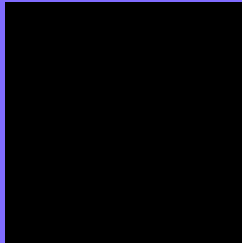
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.5343, 0.2125, 0.1482

Background



This preview shows how black text looks on a background with the Yxy color 22.5343, 0.2125, 0.1482.



This preview shows how white text looks on a background with the Yxy color 22.5343, 0.2125, 0.1482.

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

22.5343, 0.2125, 0.1482

Protanopia

22.7947, 0.1820, 0.1549

Deuteranopia

22.6013, 0.1835, 0.1807



Tritanopia

22.5162, 0.2619, 0.3085

Trichromacy



Original Color

22.5343, 0.2125, 0.1482



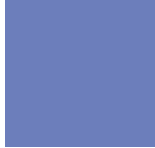
Protanomaly

22.0334, 0.1888, 0.1497



Deuteranomaly

21.3109, 0.1845, 0.1631



Tritanomaly

21.6977, 0.2398, 0.2300

Monochromacy



Original Color

22.5343, 0.2125, 0.1482



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

22.0463, 0.2674, 0.2443

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5343, 0.2125, 0.1482 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(128, 108, 255)` looks like.

```
.text, #text, p{  
    color:rgb(128, 108, 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(128, 108, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 108, 255) }
```

Border

The CSS property to change the border of an element to Yxy 22.5343, 0.2125, 0.1482 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(128, 108, 255) }
```

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

```
.border{ border-color:rgb(128, 108, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 108, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 108, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 108, 255);  
box-shadow:4px 4px 4px 4px rgb(128, 108,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5343, 0.2125, 0.1482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 108, 255) }
```

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

```
.background{ background-color: rgb(128,  
108, 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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