

Converting Colors

$Y_{xy}(22.5607, 0.2143, 0.1480)$

Have a look what the booklet for
Yxy(22.5607, 0.2143, 0.1480)
contains.

Yxy(22.5607, 0.2143, 0.1480)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.5607, 0.2143, 0.1480)

Conversions

Conversions Part 1

Format	Color
Hex	836BFF
RGB	131, 107, 255
RGB Percent	51%, 42%, 100%
CMY	0.4861, 0.5804, 0.0001
CMYK	0.49, 0.58, 0.00, 0.00
HSL	250°, 100%, 71%
HSV	250°, 58%, 100%
XYZ	32.6673, 22.5607, 97.2092
YIQ	131.0480, -33.2040, 51.1160

Conversions

Conversions Part 2

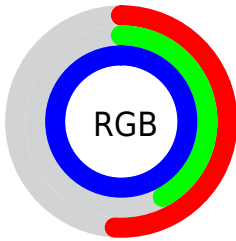
Format	Color
R_{YB}	131, 107, 255
Decimal	8612863
CIE _{Lab}	54.62, 45.85, -70.83
CIE _{LCh}	55, 84.374, 302.919
Yxy	22.5607, 0.2143, 0.1480
Android (android.graphics.Color)	4286802943 (0xFF836BFF)
YUV	131.0480, 61.1083, -0.0421
Hunter-Lab	47.4981, 39.6434, -88.0937

Details

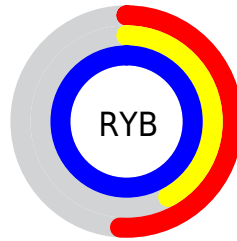
The Yxy color **22.5607, 0.2143, 0.1480** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **89.5335, 0.3788, 0.4755**, and the grayscale version is **22.5047, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.0926, 0.2660, 0.2207**, and **8.2863, 0.1840, 0.1091** is the 20% darker color. If you saturate the color by 10%, you get **16.4725, 0.1955, 0.1175**, and if you desaturate by 10%, it is **30.5683, 0.2339, 0.1816**.

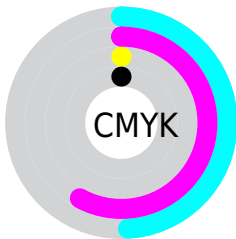
Distribution



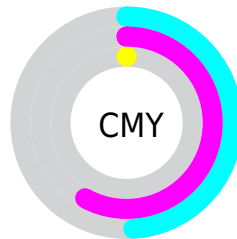
- Red (51%)
- Green (42%)
- Blue (100%)



- Red (51%)
- Yellow (42%)
- Blue (100%)



- Cyan (49%)
- Magenta (58%)
- Yellow (0%)
- Black (0%)





- Cyan (49%)
- Magenta (58%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.5607, 0.2143, 0.1480 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 22.5607, 0.2143, 0.1480 by changing the saturation by 10% instead.


 22.5607, 0.2143,
0.1480


 22.5607, 0.2143,
0.1480


265.4606, 0.2674,
0.2321


 14.2695, 0.2009,
0.1301


 47.6710, 0.2339,
0.1764


 8.3083, 0.1839,
0.1092


 65.2588, 0.2413,
0.1878

 4.2929, 0.1623,
0.0850


 86.7143, 0.2474,
0.1976

 1.8387, 0.1344,
0.0578

 112.4219, 0.2526,
0.2063

 0.5111, 0.0991,
0.0273

142.7659, 0.2571,
0.2139

 0.0000, 0.0543,
0.0000

178.1307, 0.2610,

 0.0000, 0.0000,

0.2207

0.0000

218.9008, 0.2644,
0.2267

■ 22.5607, 0.2143,
0.1480

■ 22.5607, 0.2143,
0.1480

■ 16.4725, 0.1955,
0.1175

■ 30.5683, 0.2339,
0.1816

■ 12.1377, 0.1790,
0.0924

■ 40.6382, 0.2533,
0.2159

■ 9.3649, 0.1660,
0.0746

■ 52.9017, 0.2714,
0.2492

■ 7.8988, 0.1572,
0.0646

■ 67.4789, 0.2879,
0.2803

■ 7.6980, 0.1559,
0.0632

■ 84.4809, 0.3024,
0.3086

99.9976, 0.3127,
0.3290

Harmonies

Analogous

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



22.5607, 0.1364, 0.1376



22.5607, 0.2143, 0.1480



22.5607, 0.3462, 0.1879

Triad

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



22.5607, 0.2143, 0.1480



22.5607, 0.5613, 0.4134



22.5607, 0.1400, 0.3895

Complementary

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



22.5607, 0.2143, 0.1480



89.5335, 0.3788, 0.4755

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.



22.5607, 0.2314, 0.5697



22.5607, 0.2143, 0.1480



22.5607, 0.4691, 0.5151

Square

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



22.5607, 0.2143, 0.1480



22.5607, 0.5848, 0.3285



22.5607, 0.3504, 0.6017



22.5607, 0.1006, 0.2342

Rectangle

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



22.5607, 0.2143, 0.1480



22.5607, 0.4516, 0.2292



22.5607, 0.3504, 0.6017



22.5607, 0.1650, 0.4556

Sweetspot

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



22.5614, 0.2143, 0.1480



69.1449, 0.2895, 0.2834



68.4902, 0.2346, 0.3022



14.1211, 0.2863, 0.2774



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.



22.5614, 0.2143, 0.1480



15.4921, 0.1921, 0.1121



30.4538, 0.2720, 0.1727



17.5195, 0.3004, 0.3046



4.0651, 0.1568, 0.0638



0.4342, 0.1657, 0.0687

Inverse Universe

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



37.5330, 0.3421, 0.2109



31.9887, 0.3497, 0.1943



79.9072, 0.3309, 0.5022



18.2467, 0.3163, 0.3093



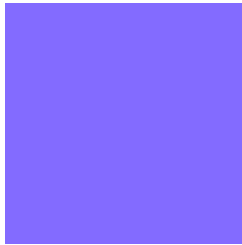
13.6529, 0.3669, 0.1795



1.3423, 0.3608, 0.1761

Previews

White Background



This preview shows how the Yxy color 22.5607, 0.2143, 0.1480 looks on a white background.

Color Contrast Check

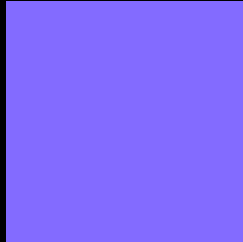
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.5607, 0.2143, 0.1480 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 22.5607, 0.2143, 0.1480

Background



This preview shows how black text looks on a background with the Yxy color 22.5607, 0.2143, 0.1480.



This preview shows how white text looks on a background with the Yxy color 22.5607, 0.2143, 0.1480.

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

22.5607, 0.2143, 0.1480

Protanopia

22.8198, 0.1822, 0.1550

Deuteranopia

22.6582, 0.1833, 0.1798



Tritanopia

22.4242, 0.2660, 0.3086

Trichromacy



Original Color

22.5607, 0.2143, 0.1480



Protanomaly

22.0759, 0.1892, 0.1498



Deuteranomaly

21.3946, 0.1844, 0.1624



Tritanomaly

21.5919, 0.2426, 0.2303

Monochromacy



Original Color

22.5607, 0.2143, 0.1480



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

21.8790, 0.2682, 0.2429

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5607, 0.2143, 0.1480 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(131, 107, 255)` looks like.

```
.text, #text, p{  
    color:rgb(131, 107, 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(131, 107, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 107, 255) }
```

Border

The CSS property to change the border of an element to Yxy 22.5607, 0.2143, 0.1480 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(131, 107, 255) }
```

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

```
.border{ border-color:rgb(131, 107, 255) }
```

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

Here you see how a box with a 4 pixel rgb(131, 107, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 107, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 107, 255);  
box-shadow:4px 4px 4px 4px rgb(131, 107,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5607, 0.2143, 0.1480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 107, 255) }
```

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

```
.background{ background-color: rgb(131,  
107, 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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