

Converting Colors

$Y_{xy}(20.8318, 0.2113, 0.1375)$

Have a look what the booklet for
Yxy(20.8318, 0.2113, 0.1375)
contains.

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Color

Yxy(20.7807, 0.2126, 0.1390)

Conversions

Conversions Part 1

Format	Color
Hex	8362FF
RGB	131, 98, 255
RGB Percent	51%, 38%, 100%
CMY	0.4860, 0.6158, 0.0000
CMYK	0.49, 0.62, 0.00, 0.00
HSL	253°, 100%, 69%
HSV	253°, 62%, 100%
XYZ	31.7840, 20.7807, 96.9367
YIQ	125.7650, -30.7290, 55.8230

Conversions

Conversions Part 2

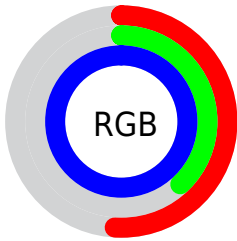
Format	Color
R _Y B	131, 98, 255
Decimal	8610559
CIE Lab	52.71, 50.89, -73.94
CIE LCh	53, 89.760, 304.541
Yxy	20.7807, 0.2126, 0.1390
Android (android.graphics.Color)	4286800639 (0xFF8362FF)
YUV	125.7650, 63.7129, 4.5911
Hunter-Lab	45.5859, 44.6810, -94.1680

Details

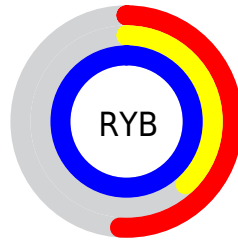
The Yxy color **20.7807, 0.2126, 0.1390** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **87.9104, 0.3762, 0.4860**, and the grayscale version is **20.5703, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1091, 0.2651, 0.2108**, and **7.4211, 0.1812, 0.0997** is the 20% darker color. If you saturate the color by 10%, you get **15.2921, 0.1947, 0.1105**, and if you desaturate by 10%, it is **28.1017, 0.2315, 0.1712**.

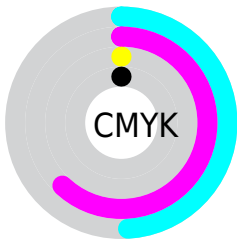
Distribution



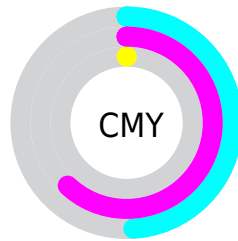
- Red (51%)
- Green (38%)
- Blue (100%)



- Red (51%)
- Yellow (38%)
- Blue (100%)



- Cyan (49%)
- Magenta (62%)
- Yellow (0%)
- Black (0%)




- Cyan (49%)
- Magenta (62%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7807, 0.2126, 0.1390 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 20.7807, 0.2126, 0.1390 by changing the saturation by 10% instead.


 20.7807, 0.2126,
0.1390


 20.7807, 0.2126,
0.1390


256.1107, 0.2673,
0.2267


 12.9638, 0.1987,
0.1206

 44.7223, 0.2329,
0.1684


 7.4036, 0.1811,
0.0994


 61.6157, 0.2405,
0.1803

 3.7158, 0.1587,
0.0751


 82.3035, 0.2468,
0.1906

 1.5159, 0.1300,
0.0486

 107.1700, 0.2522,
0.1996

 0.2999, 0.0944,
0.0164

136.5995, 0.2568,
0.2076

 0.0000, 0.0473,
0.0000

170.9766, 0.2607,

 0.0000, 0.0000,

0.2147

0.0000

210.6855, 0.2642,
0.2210

■ 20.7807, 0.2126,
0.1390

■ 20.7807, 0.2126,
0.1390

■ 15.2921, 0.1947,
0.1105

■ 28.1017, 0.2315,
0.1712

■ 11.4658, 0.1791,
0.0879

■ 37.4004, 0.2502,
0.2050

■ 9.1017, 0.1669,
0.0727

■ 48.8093, 0.2679,
0.2383

■ 7.9966, 0.1594,
0.0652

■ 62.4490, 0.2841,
0.2699

■ 78.4307, 0.2984,
0.2990

96.8582, 0.3109,
0.3251

99.9995, 0.3127,
0.3290

Harmonies

Analogous

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



20.7807, 0.1290, 0.1264



20.7807, 0.2126, 0.1390



20.7807, 0.3570, 0.1818

Triad

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



20.7807, 0.2126, 0.1390



20.7807, 0.5705, 0.4157



20.7807, 0.1233, 0.3817

Complementary

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



20.7807, 0.2126, 0.1390



87.9104, 0.3762, 0.4860

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.



20.7807, 0.2145, 0.5889



20.7807, 0.2126, 0.1390



20.7807, 0.4680, 0.5296

Square

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



20.7807, 0.2126, 0.1390



20.7807, 0.6068, 0.3271



20.7807, 0.3379, 0.6259



20.7807, 0.0876, 0.2182

Rectangle

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



20.7807, 0.2126, 0.1390



20.7807, 0.4724, 0.2253



20.7807, 0.3379, 0.6259



20.7807, 0.1475, 0.4559

Sweetspot

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



20.7813, 0.2126, 0.1390



67.8950, 0.2894, 0.2806



62.9057, 0.2291, 0.2903



13.5798, 0.2851, 0.2719



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.



20.7813, 0.2126, 0.1390



14.2200, 0.1907, 0.1044



29.3441, 0.2758, 0.1672



17.5622, 0.3012, 0.3046



4.2299, 0.1606, 0.0658



0.4562, 0.1707, 0.0714

Inverse Universe

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



35.2581, 0.3524, 0.2114



30.1097, 0.3629, 0.1969



78.4237, 0.3263, 0.5155



18.2309, 0.3170, 0.3104



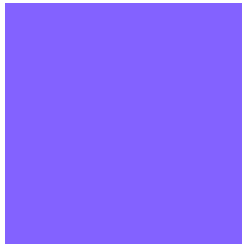
13.3413, 0.3828, 0.1882



1.3146, 0.3743, 0.1836

Previews

White Background



This preview shows how the Yxy color 20.7807, 0.2126, 0.1390 looks on a white background.

Color Contrast Check

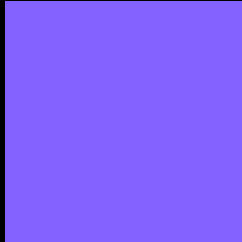
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7807, 0.2126, 0.1390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

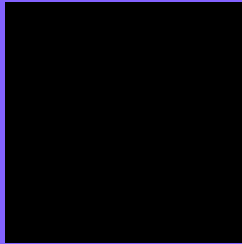
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7807, 0.2126, 0.1390

Background



This preview shows how black text looks on a background with the Yxy color 20.7807, 0.2126, 0.1390.



This preview shows how white text looks on a background with the Yxy color 20.7807, 0.2126, 0.1390.

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

20.7807, 0.2126, 0.1390

Protanopia

21.0332, 0.1753, 0.1465

Deuteranopia

20.7661, 0.1837, 0.1813



Tritanopia

20.8083, 0.2691, 0.3099

Trichromacy



Original Color

20.7807, 0.2126, 0.1390



Protanomaly

19.9909, 0.1807, 0.1399



Deuteranomaly

19.3491, 0.1834, 0.1572



Tritanomaly

19.9506, 0.2440, 0.2254

Monochromacy



Original Color

20.7807, 0.2126, 0.1390



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

20.0971, 0.2669, 0.2364

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7807, 0.2126, 0.1390 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, 98, 255)` looks like.

```
.text, #text, p{  
    color:rgb(131, 98, 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, 98, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 98, 255) }
```

Border

The CSS property to change the border of an element to Yxy 20.7807, 0.2126, 0.1390 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, 98, 255) }
```

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

```
.border{ border-color:rgb(131, 98, 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, 98, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 98, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 98, 255); box-shadow:4px 4px 4px 4px rgb(131, 98, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7807, 0.2126, 0.1390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 98, 255) }
```

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

```
.background{ background-color: rgb(131, 98,  
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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