

Converting Colors

$Y_{xy}(20.5193, 0.2163, 0.1420)$

Have a look what the booklet for
Yxy(20.5193, 0.2163, 0.1420)
contains.

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Color

Yxy(20.4381, 0.2161, 0.1416)

Conversions

Conversions Part 1

Format	Color
Hex	8561FA
RGB	133, 97, 250
RGB Percent	52%, 38%, 98%
CMY	0.4786, 0.6195, 0.0198
CMYK	0.47, 0.61, 0.00, 0.02
HSL	254°, 94%, 68%
HSV	254°, 61%, 98%
XYZ	31.1912, 20.4381, 92.7076
YIQ	125.2060, -27.6570, 55.2150

Conversions

Conversions Part 2

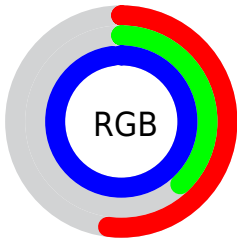
Format	Color
R_{YB}	133, 97, 250
Decimal	8741370
CIE _{Lab}	52.33, 50.36, -71.75
CIE _{LCh}	52, 87.660, 305.063
Yxy	20.4381, 0.2161, 0.1416
Android (android.graphics.Color)	4286931450 (0xFF8561FA)
YUV	125.2060, 61.5234, 6.8353
Hunter-Lab	45.2085, 44.0395, -89.9380

Details

The Yxy color **20.4381, 0.2161, 0.1416** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **83.5110, 0.3733, 0.4865**, and the grayscale version is **20.3786, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.0523, 0.2666, 0.2102**, and **7.2593, 0.1855, 0.1022** is the 20% darker color. If you saturate the color by 10%, you get **15.1056, 0.1984, 0.1131**, and if you desaturate by 10%, it is **27.5100, 0.2346, 0.1736**.

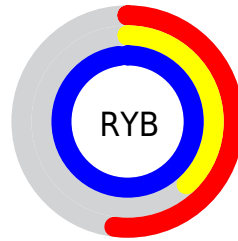
Distribution



Red (52%)

Green (38%)

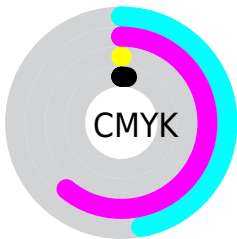
Blue (98%)



Red (52%)

Yellow (38%)

Blue (98%)

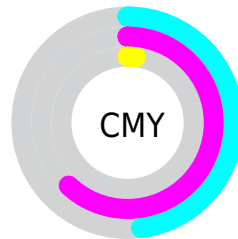


Cyan (47%)

Magenta (61%)

Yellow (0%)

Black (2%)



Cyan (48%)


Magenta (62%)

Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.4381, 0.2161, 0.1416 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 20.4381, 0.2161, 0.1416 by changing the saturation by 10% instead.


 20.4381, 0.2161,
0.1416

 20.4381, 0.2161,
0.1416


254.2770, 0.2693,
0.2289


 12.7139, 0.2024,
0.1231


 44.1505, 0.2360,
0.1710

 7.2318, 0.1850,
0.1016


 60.9074, 0.2433,
0.1828

 3.6075, 0.1625,
0.0770


 81.4441, 0.2495,
0.1931

 1.4565, 0.1335,
0.0498

 106.1449, 0.2547,
0.2020

 0.2578, 0.0972,
0.0152

135.3942, 0.2592,
0.2099

 0.0000, 0.0463,
0.0000

169.5764, 0.2630,

 0.0000, 0.0000,

0.2170

0.0000

209.0759, 0.2664,
0.2232

■ 20.4381, 0.2161,
0.1416

■ 20.4381, 0.2161,
0.1416

■ 15.1056, 0.1984,
0.1131

■ 27.5100, 0.2346,
0.1736

■ 11.3532, 0.1826,
0.0903

■ 36.4571, 0.2529,
0.2070

■ 8.9944, 0.1699,
0.0746

■ 47.4040, 0.2700,
0.2401

■ 7.8202, 0.1616,
0.0664

■ 60.4636, 0.2856,
0.2713

■ 75.7403, 0.2994,
0.3002

93.3317, 0.3114,
0.3261

99.6794, 0.3156,
0.3338

Harmonies

Analogous

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



20.4381, 0.1321, 0.1286



20.4381, 0.2161, 0.1416



20.4381, 0.3594, 0.1847

Triad

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



20.4381, 0.2161, 0.1416



20.4381, 0.5666, 0.4181



20.4381, 0.1250, 0.3775

Complementary

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



20.4381, 0.2161, 0.1416



83.5110, 0.3733, 0.4865

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.



20.4381, 0.2148, 0.5808



20.4381, 0.2161, 0.1416



20.4381, 0.4649, 0.5298

Square

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



20.4381, 0.2161, 0.1416



20.4381, 0.6028, 0.3298



20.4381, 0.3371, 0.6224



20.4381, 0.0898, 0.2184

Rectangle

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



20.4381, 0.2161, 0.1416



20.4381, 0.4726, 0.2281



20.4381, 0.3371, 0.6224



20.4381, 0.1488, 0.4497

Sweetspot

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



20.4387, 0.2161, 0.1416



68.0669, 0.2902, 0.2807



57.6760, 0.2280, 0.2840



13.6210, 0.2860, 0.2721



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.



20.4387, 0.2161, 0.1416



14.9399, 0.1952, 0.1083



29.0375, 0.2809, 0.1704



16.8397, 0.3016, 0.3047



4.2036, 0.1629, 0.0671



0.4355, 0.1741, 0.0733

Inverse Universe

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



33.7300, 0.3561, 0.2151



30.2151, 0.3674, 0.2013



74.5959, 0.3235, 0.5158



17.4507, 0.3174, 0.3110



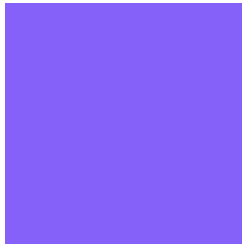
12.8059, 0.3911, 0.1928



1.2023, 0.3809, 0.1872

Previews

White Background



This preview shows how the Yxy color 20.4381, 0.2161, 0.1416 looks on a white background.

Color Contrast Check

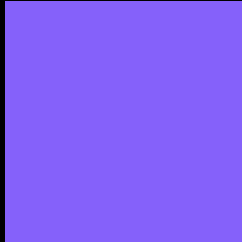
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4381, 0.2161, 0.1416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

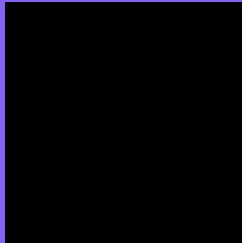
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.4381, 0.2161, 0.1416

Background



This preview shows how black text looks on a background with the Yxy color 20.4381, 0.2161, 0.1416.



This preview shows how white text looks on a background with the Yxy color 20.4381, 0.2161, 0.1416.

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

20.4381, 0.2161, 0.1416

Protanopia

20.6529, 0.1735, 0.1447

Deuteranopia

20.4527, 0.1835, 0.1807



Tritanopia

20.4482, 0.2744, 0.3100

Trichromacy



Original Color

20.4381, 0.2161, 0.1416



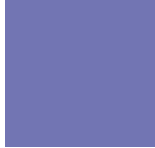
Protanomaly

19.3086, 0.1775, 0.1385



Deuteranomaly

18.9454, 0.1839, 0.1581



Tritanomaly

19.5547, 0.2485, 0.2266

Monochromacy



Original Color

20.4381, 0.2161, 0.1416



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

19.7529, 0.2695, 0.2388

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4381, 0.2161, 0.1416 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(133, 97, 250)` looks like.

```
.text, #text, p{  
  color:rgb(133, 97, 250)  
}
```

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(133, 97, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 97, 250) }
```

Border

The CSS property to change the border of an element to Yxy 20.4381, 0.2161, 0.1416 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(133, 97, 250) }
```

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

```
.border{ border-color:rgb(133, 97, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 97, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 97, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 97, 250);  
box-shadow:4px 4px 4px 4px rgb(133, 97,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4381, 0.2161, 0.1416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 97, 250) }
```

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

```
.background{ background-color: rgb(133, 97,  
250) }
```

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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