

Converting Colors

$Y_{xy}(21.1671, 0.2182, 0.1479)$

Have a look what the booklet for
Yxy(21.1671, 0.2182, 0.1479)
contains.

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Color

Yxy(21.2047, 0.2185, 0.1484)

Conversions

Conversions Part 1

Format	Color
Hex	8566F7
RGB	133, 102, 247
RGB Percent	52%, 40%, 97%
CMY	0.4782, 0.6001, 0.0313
CMYK	0.46, 0.59, 0.00, 0.03
HSL	253°, 90%, 68%
HSV	253°, 59%, 97%
XYZ	31.2212, 21.2047, 90.4629
YIQ	127.7990, -28.0690, 51.6670

Conversions

Conversions Part 2

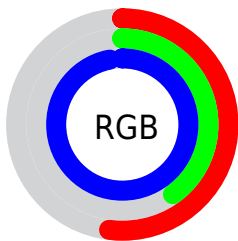
Format	Color
R _Y B	133, 102, 247
Decimal	8742647
CIE _{Lab}	53.17, 46.83, -68.75
CIE _{LCh}	53, 83.189, 304.260
Y _{xy}	21.2047, 0.2185, 0.1484
Android (android.graphics.Color)	4286932727 (0xFF8566F7)
YUV	127.7990, 58.7661, 4.5613
Hunter-Lab	46.0486, 40.4391, -84.2419

Details

The Yxy color **21.2047, 0.2185, 0.1484** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **82.0867, 0.3739, 0.4798**, and the grayscale version is **21.3146, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.5377, 0.2663, 0.2154**, and **7.6416, 0.1881, 0.1086** is the 20% darker color. If you saturate the color by 10%, you get **15.6162, 0.2003, 0.1187**, and if you desaturate by 10%, it is **28.5324, 0.2374, 0.1812**.

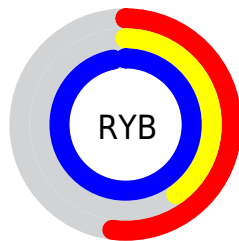
Distribution



Red (52%)

Green (40%)

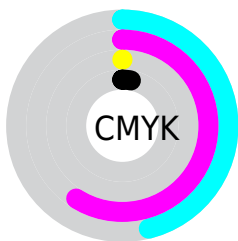
Blue (97%)



Red (52%)

Yellow (40%)

Blue (97%)

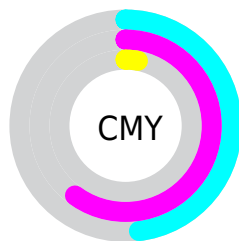


Cyan (46%)

Magenta (59%)

Yellow (0%)

Black (3%)



Cyan (48%)


Magenta (60%)


Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.2047, 0.2185, 0.1484 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 21.2047, 0.2185, 0.1484 by changing the saturation by 10% instead.


 21.2047, 0.2185,
0.1484


 21.2047, 0.2185,
0.1484


258.3644, 0.2702,
0.2332


 13.2737, 0.2051,
0.1302


 45.4280, 0.2378,
0.1772

 7.6173, 0.1881,
0.1087


 62.4890, 0.2450,
0.1887

 3.8511, 0.1661,
0.0838


 83.3622, 0.2510,
0.1986

 1.5906, 0.1373,
0.0559

 108.4320, 0.2560,
0.2073

 0.3512, 0.1008,
0.0215

138.0827, 0.2603,
0.2150

 0.0000, 0.0491,
0.0000

172.6987, 0.2641,

 0.0000, 0.0000,

0.2218

0.0000

212.6645, 0.2673,
0.2278

■ 21.2047, 0.2185,
0.1484

■ 21.2047, 0.2185,
0.1484

■ 15.6162, 0.2003,
0.1187

■ 28.5324, 0.2374,
0.1812

■ 11.6160, 0.1839,
0.0942

■ 37.7286, 0.2558,
0.2149

■ 9.0298, 0.1705,
0.0766

■ 48.9126, 0.2730,
0.2478

■ 7.6095, 0.1608,
0.0664

■ 62.1931, 0.2885,
0.2786

■ 7.4718, 0.1598,
0.0654

■ 77.6708, 0.3022,
0.3068

95.4397, 0.3141,
0.3321

99.4970, 0.3173,
0.3366

Harmonies

Analogous

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



21.2047, 0.1381, 0.1366



21.2047, 0.2185, 0.1484



21.2047, 0.3533, 0.1897

Triad

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



21.2047, 0.2185, 0.1484



21.2047, 0.5592, 0.4175



21.2047, 0.1362, 0.3810

Complementary

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



21.2047, 0.2185, 0.1484



82.0867, 0.3739, 0.4798

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.



21.2047, 0.2256, 0.5657



21.2047, 0.2185, 0.1484



21.2047, 0.4646, 0.5205

Square

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



21.2047, 0.2185, 0.1484



21.2047, 0.5875, 0.3317



21.2047, 0.3446, 0.6053



21.2047, 0.0990, 0.2286

Rectangle

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



21.2047, 0.2185, 0.1484



21.2047, 0.4594, 0.2317



21.2047, 0.3446, 0.6053



21.2047, 0.1603, 0.4475

Sweetspot

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



21.2054, 0.2185, 0.1484



67.9199, 0.2895, 0.2806



59.6908, 0.2320, 0.2925



13.5857, 0.2852, 0.2720



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.



21.2054, 0.2185, 0.1484



16.0855, 0.1978, 0.1149



28.9828, 0.2782, 0.1741



16.0978, 0.3013, 0.3048



4.0003, 0.1610, 0.0661



0.3944, 0.1724, 0.0724

Inverse Universe

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



34.2316, 0.3505, 0.2162



31.4951, 0.3602, 0.2013



73.5600, 0.3265, 0.5064



16.7039, 0.3171, 0.3106



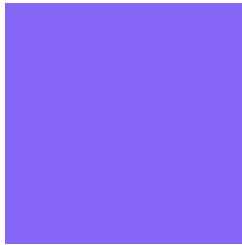
12.5416, 0.3839, 0.1888



1.1171, 0.3744, 0.1836

Previews

White Background



This preview shows how the Yxy color 21.2047, 0.2185, 0.1484 looks on a white background.

Color Contrast Check

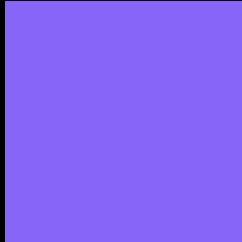
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2047, 0.2185, 0.1484 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

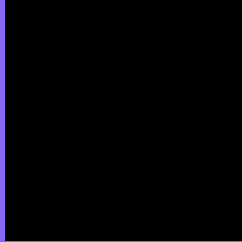
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.2047, 0.2185, 0.1484

Background



This preview shows how black text looks on a background with the Yxy color 21.2047, 0.2185, 0.1484.



This preview shows how white text looks on a background with the Yxy color 21.2047, 0.2185, 0.1484.

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

21.2047, 0.2185, 0.1484

Protanopia

21.4461, 0.1773, 0.1485

Deuteranopia

21.1915, 0.1834, 0.1801



Tritanopia

21.1589, 0.2749, 0.3102

Trichromacy



Original Color

21.2047, 0.2185, 0.1484



Protanomaly

20.5550, 0.1850, 0.1454



Deuteranomaly

19.7625, 0.1844, 0.1608



Tritanomaly

20.3731, 0.2493, 0.2306

Monochromacy



Original Color

21.2047, 0.2185, 0.1484



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

20.8798, 0.2712, 0.2446

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2047, 0.2185, 0.1484 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, 102, 247)` looks like.

```
.text, #text, p{  
    color:rgb(133, 102, 247)  
}
```

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, 102, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 102, 247) }
```

Border

The CSS property to change the border of an element to Yxy 21.2047, 0.2185, 0.1484 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, 102, 247) }
```

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

```
.border{ border-color:rgb(133, 102, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 102, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 102, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 102, 247);  
box-shadow:4px 4px 4px 4px rgb(133, 102,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2047, 0.2185, 0.1484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 102, 247) }
```

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

```
.background{ background-color: rgb(133,  
102, 247) }
```

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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