

Converting Colors

$Y_{xy}(21.1686, 0.2106, 0.1414)$

Have a look what the booklet for
Yxy(21.1686, 0.2106, 0.1414)
contains.

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Color

Yxy(21.2348, 0.2106, 0.1417)

Conversions

Conversions Part 1

Format	Color
Hex	7F66FF
RGB	127, 102, 255
RGB Percent	50%, 40%, 100%
CMY	0.5018, 0.6001, 0.0000
CMYK	0.50, 0.60, 0.00, 0.00
HSL	250°, 100%, 70%
HSV	250°, 60%, 100%
XYZ	31.5600, 21.2348, 97.0627
YIQ	126.9170, -34.2130, 52.8830

Conversions

Conversions Part 2

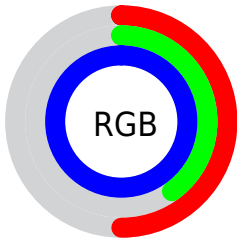
Format	Color
R _Y B	127, 102, 255
Decimal	8349439
CIE _{Lab}	53.21, 47.93, -73.16
CIE _{LCh}	53, 87.468, 303.231
Y _{xy}	21.2348, 0.2106, 0.1417
Android (android.graphics.Color)	4286539519 (0xFF7F66FF)
Y _{UV}	126.9170, 63.1449, 0.0728
Hunter-Lab	46.0812, 41.6084, -92.6279

Details

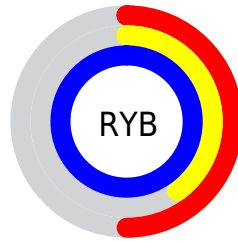
The Yxy color **21.2348, 0.2106, 0.1417** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **89.2932, 0.3802, 0.4797**, and the grayscale version is **20.9818, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.0226, 0.2633, 0.2145**, and **7.6016, 0.1790, 0.1020** is the 20% darker color. If you saturate the color by 10%, you get **15.5020, 0.1922, 0.1121**, and if you desaturate by 10%, it is **28.8531, 0.2302, 0.1749**.

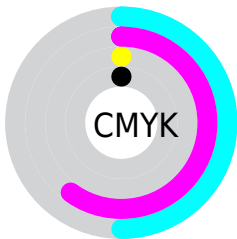
Distribution



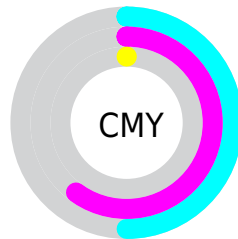
- Red (50%)
- Green (40%)
- Blue (100%)



- Red (50%)
- Yellow (40%)
- Blue (100%)



- Cyan (50%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)





- Cyan (50%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.2348, 0.2106, 0.1417 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 21.2348, 0.2106, 0.1417 by changing the saturation by 10% instead.


 21.2348, 0.2106,
0.1417


 21.2348, 0.2106,
0.1417


258.5237, 0.2660,
0.2285


 13.2957, 0.1966,
0.1234


 45.4780, 0.2311,
0.1709


 7.6325, 0.1790,
0.1022


 62.5509, 0.2387,
0.1826

 3.8607, 0.1565,
0.0779


 83.4372, 0.2451,
0.1928

 1.5960, 0.1278,
0.0511

 108.5213, 0.2506,
0.2017

 0.3549, 0.0923,
0.0193

138.1876, 0.2553,
0.2096

 0.0000, 0.0452,
0.0000

172.8205, 0.2593,

 0.0000, 0.0000,

0.2166

0.0000

212.8044, 0.2628,
0.2229

■ 21.2348, 0.2106,
0.1417

■ 21.2348, 0.2106,
0.1417

■ 15.5020, 0.1922,
0.1121

■ 28.8531, 0.2302,
0.1749

■ 11.4887, 0.1763,
0.0884

■ 38.5075, 0.2496,
0.2092

■ 8.9948, 0.1641,
0.0721

■ 50.3306, 0.2680,
0.2428

■ 7.7070, 0.1560,
0.0633

■ 64.4440, 0.2848,
0.2744

■ 80.9606, 0.2997,
0.3032

99.9856, 0.3127,
0.3290

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



21.2348, 0.1304, 0.1306



21.2348, 0.2106, 0.1417



21.2348, 0.3489, 0.1827

Triad

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



21.2348, 0.2106, 0.1417



21.2348, 0.5689, 0.4126



21.2348, 0.1311, 0.3898

Complementary

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



21.2348, 0.2106, 0.1417



89.2932, 0.3802, 0.4797

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.



21.2348, 0.2237, 0.5849



21.2348, 0.2106, 0.1417



21.2348, 0.4712, 0.5212

Square

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



21.2348, 0.2106, 0.1417



21.2348, 0.5981, 0.3259



21.2348, 0.3458, 0.6154



21.2348, 0.0927, 0.2269

Rectangle

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



21.2348, 0.2106, 0.1417



21.2348, 0.4606, 0.2251



21.2348, 0.3458, 0.6154



21.2348, 0.1561, 0.4611

Sweetspot

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



21.2339, 0.2106, 0.1417



67.5628, 0.2879, 0.2804



67.7836, 0.2328, 0.3011



13.5002, 0.2834, 0.2717



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.



21.2339, 0.2106, 0.1417



14.5709, 0.1888, 0.1068



29.1983, 0.2702, 0.1678



17.5206, 0.3004, 0.3046



4.0688, 0.1569, 0.0638



0.4347, 0.1658, 0.0687

Inverse Universe

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



36.4694, 0.3435, 0.2079



31.2505, 0.3513, 0.1922



79.5009, 0.3309, 0.5081



18.2463, 0.3163, 0.3093



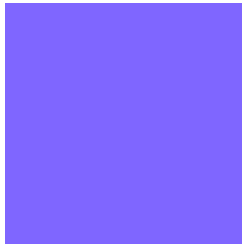
13.6447, 0.3673, 0.1797



1.3416, 0.3611, 0.1763

Previews

White Background



This preview shows how the Yxy color 21.2348, 0.2106, 0.1417 looks on a white background.

Color Contrast Check

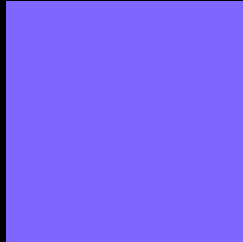
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2348, 0.2106, 0.1417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

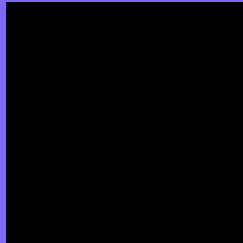
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.2348, 0.2106, 0.1417

Background



This preview shows how black text looks on a background with the Yxy color 21.2348, 0.2106, 0.1417.



This preview shows how white text looks on a background with the Yxy color 21.2348, 0.2106, 0.1417.

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

21.2348, 0.2106, 0.1417

Protanopia

21.4151, 0.1770, 0.1484

Deuteranopia

21.1368, 0.1836, 0.1810



Tritanopia

21.1684, 0.2625, 0.3080

Trichromacy



Original Color

21.2348, 0.2106, 0.1417



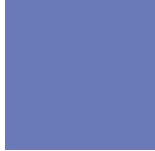
Protanomaly

20.6053, 0.1829, 0.1429



Deuteranomaly

19.8306, 0.1834, 0.1591



Tritanomaly

20.4439, 0.2391, 0.2268

Monochromacy



Original Color

21.2348, 0.2106, 0.1417



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

20.5249, 0.2653, 0.2381

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2348, 0.2106, 0.1417 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(127, 102, 255)` looks like.

```
.text, #text, p{  
  color:rgb(127, 102, 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(127, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 102, 255) }
```

Border

The CSS property to change the border of an element to Yxy 21.2348, 0.2106, 0.1417 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(127, 102, 255) }
```

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

```
.border{ border-color:rgb(127, 102, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(127, 102,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2348, 0.2106, 0.1417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 102, 255) }
```

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

```
.background{ background-color: rgb(127,  
102, 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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