

Converting Colors

$Y_{xy}(21.2980, 0.2396, 0.1891)$

Have a look what the booklet for
Yxy(21.2980, 0.2396, 0.1891)
contains.

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Color

Yxy(21.3387, 0.2398, 0.1894)

Conversions

Conversions Part 1

Format	Color
Hex	8371D3
RGB	131, 113, 211
RGB Percent	51%, 44%, 83%
CMY	0.4864, 0.5568, 0.1726
CMYK	0.38, 0.46, 0.00, 0.17
HSL	251°, 53%, 64%
HSV	251°, 46%, 83%
XYZ	27.0170, 21.3387, 64.3090
YIQ	129.5540, -20.7300, 34.2940

Conversions

Conversions Part 2

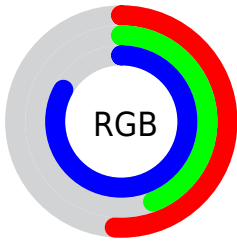
Format	Color
R_{YB}	131, 113, 211
Decimal	8614355
CIE Lab	53.32, 29.97, -48.29
CIE LCh	53, 56.832, 301.823
Yxy	21.3387, 0.2398, 0.1894
Android (android.graphics.Color)	4286804435 (0xFF8371D3)
YUV	129.5540, 40.1529, 1.2681
Hunter-Lab	46.1938, 23.5586, -50.2053

Details

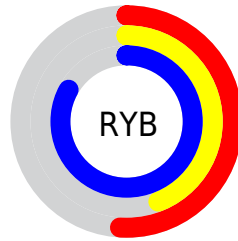
The Yxy color **21.3387, 0.2398, 0.1894** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **59.1124, 0.3660, 0.4482**, and the grayscale version is **22.0189, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.6951, 0.2637, 0.2267**, and **7.7174, 0.2133, 0.1514** is the 20% darker color. If you saturate the color by 10%, you get **15.9026, 0.2207, 0.1561**, and if you desaturate by 10%, it is **28.0994, 0.2584, 0.2231**.

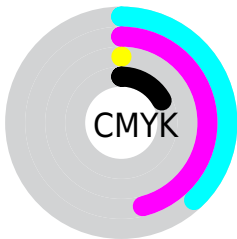
Distribution



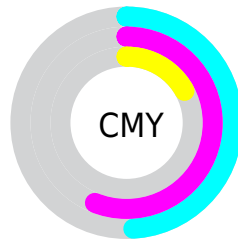
- Red (51%)
- Green (44%)
- Blue (83%)



- Red (51%)
- Yellow (44%)
- Blue (83%)



- Cyan (38%)
- Magenta (46%)
- Yellow (0%)
- Black (17%)





- Cyan (49%)
- Magenta (56%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.3387, 0.2398, 0.1894 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 21.3387, 0.2398, 0.1894 by changing the saturation by 10% instead.


 21.3387, 0.2398,
0.1894


 21.3387, 0.2398,
0.1894


259.0731, 0.2806,
0.2597


 13.3718, 0.2285,
0.1724


 45.6505, 0.2555,
0.2147

 7.6851, 0.2136,
0.1513


 62.7643, 0.2612,
0.2243

 3.8941, 0.1933,
0.1248


 83.6958, 0.2658,
0.2324

 1.6145, 0.1645,
0.0914

 108.8294, 0.2697,
0.2395

 0.3673, 0.1245,
0.0414

138.5495, 0.2731,
0.2455

 0.0000, 0.0078,
0.0000

173.2406, 0.2759,

 0.0000, 0.0000,

0.2509

0.0000

213.2870, 0.2784,
0.2555

■ 21.3387, 0.2398,
0.1894

■ 21.3387, 0.2398,
0.1894

■ 15.9026, 0.2207,
0.1561

■ 28.0994, 0.2584,
0.2231

■ 11.7004, 0.2020,
0.1252

■ 36.2623, 0.2756,
0.2555

■ 8.6339, 0.1850,
0.0990


■ 45.9020, 0.2912,
0.2856

■ 6.5882, 0.1710,
0.0795

■ 57.0867, 0.3049,
0.3130

■ 5.4191, 0.1608,
0.0675

■ 69.8808, 0.3168,
0.3374

 5.1268, 0.1579,
0.0644

 84.3447, 0.3270,
0.3589

 96.8417, 0.3365,
0.3724

 97.4821, 0.3388,
0.3721

Harmonies

Analogous

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



21.3387, 0.1771, 0.1830



21.3387, 0.2398, 0.1894



21.3387, 0.3353, 0.2216

Triad

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



21.3387, 0.2398, 0.1894



21.3387, 0.5035, 0.4092



21.3387, 0.1910, 0.3782

Complementary

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



21.3387, 0.2398, 0.1894



59.1124, 0.3660, 0.4482

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.



21.3387, 0.2666, 0.4864



21.3387, 0.2398, 0.1894



21.3387, 0.4464, 0.4783

Square

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



21.3387, 0.2398, 0.1894



21.3387, 0.5054, 0.3392



21.3387, 0.3600, 0.5201



21.3387, 0.1518, 0.2710

Rectangle

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



21.3387, 0.2398, 0.1894



21.3387, 0.4068, 0.2551



21.3387, 0.3600, 0.5201



21.3387, 0.2126, 0.4183

Sweetspot

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



21.3395, 0.2398, 0.1894



74.1829, 0.2945, 0.2921



47.0889, 0.2471, 0.3062



15.1194, 0.2913, 0.2859



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.



21.3395, 0.2398, 0.1894



24.2871, 0.2203, 0.1555



26.0202, 0.2846, 0.2051



11.5204, 0.3010, 0.3052



3.1272, 0.1589, 0.0649



0.2069, 0.1757, 0.0741

Inverse Universe

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



29.5120, 0.3369, 0.2345



38.5404, 0.3438, 0.2166



53.8521, 0.3283, 0.4645



11.9703, 0.3165, 0.3102



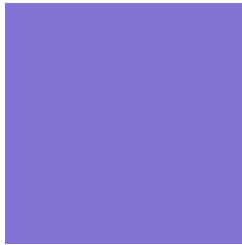
10.1772, 0.3731, 0.1829



0.5789, 0.3618, 0.1767

Previews

White Background



This preview shows how the Yxy color 21.3387, 0.2398, 0.1894 looks on a white background.

Color Contrast Check

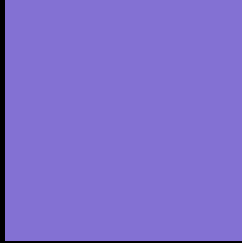
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3387, 0.2398, 0.1894 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

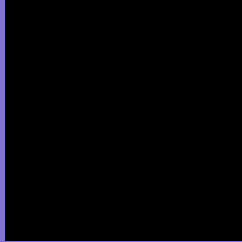
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.3387, 0.2398, 0.1894

Background



This preview shows how black text looks on a background with the Yxy color 21.3387, 0.2398, 0.1894.



This preview shows how white text looks on a background with the Yxy color 21.3387, 0.2398, 0.1894.

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

21.3387, 0.2398, 0.1894

Protanopia

21.5206, 0.2049, 0.1844

Deuteranopia

21.5702, 0.2083, 0.2027



Tritanopia

21.2388, 0.2858, 0.3088

Trichromacy



Original Color

21.3387, 0.2398, 0.1894

Protanomaly

21.2094, 0.2154, 0.1856

Deuteranomaly

21.3108, 0.2177, 0.1973

Tritanomaly

20.9840, 0.2671, 0.2565

Monochromacy



Original Color

21.3387, 0.2398, 0.1894

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

21.6643, 0.2830, 0.2704

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3387, 0.2398, 0.1894 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, 113, 211)` looks like.

```
.text, #text, p{  
    color:rgb(131, 113, 211)  
}
```

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, 113, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 113, 211) }
```

Border

The CSS property to change the border of an element to Yxy 21.3387, 0.2398, 0.1894 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, 113, 211) }
```

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

```
.border{ border-color:rgb(131, 113, 211) }
```

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

Here you see how a box with a 4 pixel rgb(131, 113, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 113, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 113, 211);  
box-shadow:4px 4px 4px 4px rgb(131, 113,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3387, 0.2398, 0.1894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 113, 211) }
```

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

```
.background{ background-color: rgb(131,  
113, 211) }
```

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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