

Converting Colors

$Y_{xy}(21.9177, 0.2347, 0.1411)$

Have a look what the booklet for
Yxy(21.9177, 0.2347, 0.1411)
contains.

Yxy(21.8808, 0.2347, 0.1410)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(21.8808, 0.2347, 0.1410)

Conversions

Conversions Part 1

Format	Color
Hex	A258FF
RGB	162, 88, 255
RGB Percent	64%, 35%, 100%
CMY	0.3651, 0.6546, 0.0001
CMYK	0.36, 0.65, 0.00, 0.00
HSL	267°, 100%, 67%
HSV	267°, 65%, 100%
XYZ	36.4214, 21.8808, 96.8807
YIQ	129.1640, -9.5030, 67.6250

Conversions

Conversions Part 2

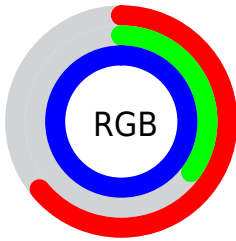
Format	Color
R _{YB}	162, 88, 255
Decimal	10639615
CIE _{Lab}	53.90, 61.88, -71.85
CIE _{LCh}	54, 94.817, 310.736
Y _{xy}	21.8808, 0.2347, 0.1410
Android (android.graphics.Color)	4288829695 (0xFFA258FF)
Y _{UV}	129.1640, 62.0371, 28.7972
Hunter-Lab	46.7769, 57.1241, -90.0530

Details

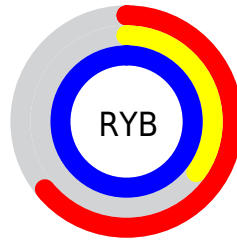
The Yxy color **21.8808, 0.2347, 0.1410** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **82.0419, 0.3521, 0.5104**, and the grayscale version is **21.7995, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.0956, 0.2898, 0.2109**, and **8.0025, 0.2086, 0.1030** is the 20% darker color. If you saturate the color by 10%, you get **16.9937, 0.2202, 0.1171**, and if you desaturate by 10%, it is **28.4008, 0.2494, 0.1689**.

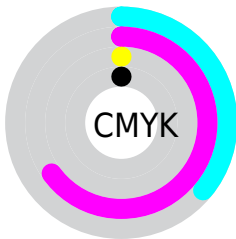
Distribution



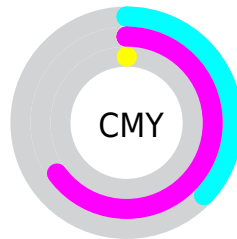
- Red (64%)
- Green (35%)
- Blue (100%)



- Red (64%)
- Yellow (35%)
- Blue (100%)



- Cyan (36%)
- Magenta (65%)
- Yellow (0%)
- Black (0%)





- Cyan (37%)
- Magenta (65%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.8808, 0.2347, 0.1410 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 21.8808, 0.2347, 0.1410 by changing the saturation by 10% instead.


 21.8808, 0.2347,
0.1410

 21.8808, 0.2347,
0.1410


261.9232, 0.2789,
0.2267


 13.7693, 0.2230,
0.1232


 46.5489, 0.2514,
0.1696


 7.9604, 0.2080,
0.1025

 63.8743, 0.2576,
0.1811

 4.0696, 0.1883,
0.0788


 85.0399, 0.2627,
0.1912

 1.7126, 0.1621,
0.0526

 110.4299, 0.2669,
0.2001

 0.4318, 0.1277,
0.0225

140.4289, 0.2706,
0.2079

 0.0000, 0.0833,
0.0000

175.4212, 0.2737,

 0.0000, 0.0000,

0.2148

0.0000

215.7911, 0.2765,
0.2211

■ 21.8808, 0.2347,
0.1410

■ 21.8808, 0.2347,
0.1410

■ 16.9937, 0.2202,
0.1171

■ 28.4008, 0.2494,
0.1689

■ 13.5716, 0.2066,
0.0985

■ 36.6939, 0.2636,
0.1990


■ 11.4114, 0.1946,
0.0860

■ 46.8874, 0.2768,
0.2298

■ 10.7155, 0.1897,
0.0819

■ 59.0959, 0.2888,
0.2601

■ 73.4247, 0.2993,
0.2888

 89.9715, 0.3083,
0.3154

99.9977, 0.3127,
0.3290

Harmonies

Analogous

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



21.8808, 0.1376, 0.1220



21.8808, 0.2347, 0.1410



21.8808, 0.3951, 0.1905

Triad

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



21.8808, 0.2347, 0.1410



21.8808, 0.5584, 0.4368



21.8808, 0.1061, 0.3385

Complementary

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



21.8808, 0.2347, 0.1410



82.0419, 0.3521, 0.5104

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.



21.8808, 0.1863, 0.5643



21.8808, 0.2347, 0.1410



21.8808, 0.4423, 0.5577

Square

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



21.8808, 0.2347, 0.1410



21.8808, 0.6160, 0.3412



21.8808, 0.3080, 0.6457



21.8808, 0.0808, 0.1925

Rectangle

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



21.8808, 0.2347, 0.1410



21.8808, 0.5123, 0.2372



21.8808, 0.3080, 0.6457



21.8808, 0.1260, 0.4118

Sweetspot

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



21.8815, 0.2347, 0.1410



66.6658, 0.2947, 0.2760



43.0168, 0.2130, 0.2353



13.4195, 0.2917, 0.2678



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.



21.8815, 0.2347, 0.1410



15.6276, 0.2152, 0.1099



33.4135, 0.3092, 0.1757



17.7710, 0.3048, 0.3049



5.6860, 0.1914, 0.0828



0.6171, 0.2039, 0.0897

Inverse Universe

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



31.5862, 0.4029, 0.2398



26.6051, 0.4313, 0.2322



74.8668, 0.3071, 0.5386



18.1567, 0.3206, 0.3158



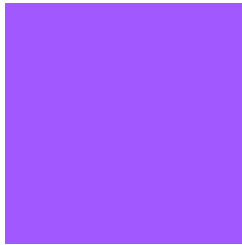
12.1627, 0.4721, 0.2374



1.2062, 0.4500, 0.2253

Previews

White Background



This preview shows how the Yxy color 21.8808, 0.2347, 0.1410 looks on a white background.

Color Contrast Check

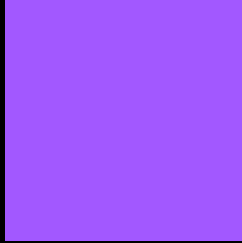
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8808, 0.2347, 0.1410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

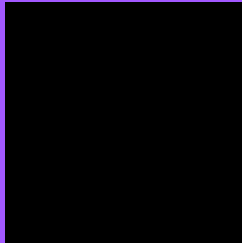
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8808, 0.2347, 0.1410

Background



This preview shows how black text looks on a background with the Yxy color 21.8808, 0.2347, 0.1410.



This preview shows how white text looks on a background with the Yxy color 21.8808, 0.2347, 0.1410.

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

21.8808, 0.2347, 0.1410

Protanopia

22.1067, 0.1795, 0.1517

Deuteranopia

21.9458, 0.1832, 0.1795



Tritanopia

21.7349, 0.3159, 0.3118

Trichromacy



Original Color

21.8808, 0.2347, 0.1410



Protanomaly

20.5202, 0.1894, 0.1414



Deuteranomaly

19.4233, 0.1850, 0.1528



Tritanomaly

20.9540, 0.2801, 0.2276

Monochromacy



Original Color

21.8808, 0.2347, 0.1410



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

20.7925, 0.2786, 0.2342

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8808, 0.2347, 0.1410 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(162, 88, 255)` looks like.

```
.text, #text, p{  
    color:rgb(162, 88, 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(162, 88, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 88, 255) }
```

Border

The CSS property to change the border of an element to Yxy 21.8808, 0.2347, 0.1410 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(162, 88, 255) }
```

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

```
.border{ border-color:rgb(162, 88, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 88, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(162, 88, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(162, 88, 255); box-shadow:4px 4px 4px 4px rgb(162, 88, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8808, 0.2347, 0.1410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 88, 255) }
```

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

```
.background{ background-color: rgb(162, 88,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor