

Converting Colors

$Y_{xy}(21.1804, 0.2424, 0.1618)$

Have a look what the booklet for
Yxy(21.1804, 0.2424, 0.1618)
contains.

Yxy(21.1803, 0.2424, 0.1618)	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(21.1803, 0.2424, 0.1618)

Conversions

Conversions Part 1

Format	Color
Hex	9862E7
RGB	152, 98, 231
RGB Percent	60%, 38%, 91%
CMY	0.4041, 0.6156, 0.0942
CMYK	0.34, 0.58, 0.00, 0.09
HSL	264°, 73%, 65%
HSV	264°, 58%, 91%
XYZ	31.7312, 21.1803, 77.9927
YIQ	129.3080, -10.5090, 52.8110

Conversions

Conversions Part 2

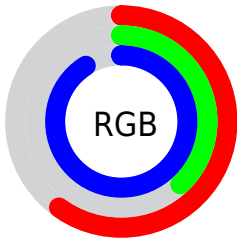
Format	Color
R_{YB}	152, 98, 231
Decimal	9986791
CIE _{Lab}	53.15, 48.81, -59.73
CIE _{LCh}	53, 77.140, 309.257
Yxy	21.1803, 0.2424, 0.1618
Android (android.graphics.Color)	4288176871 (0xFF9862E7)
YUV	129.3080, 50.1342, 19.9009
Hunter-Lab	46.0221, 42.5331, -68.2622

Details

The Yxy color **21.1803, 0.2424, 0.1618** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **67.3675, 0.3538, 0.4872**, and the grayscale version is **21.8918, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.0549, 0.2803, 0.2166**, and **7.6028, 0.2170, 0.1230** is the 20% darker color. If you saturate the color by 10%, you get **16.2147, 0.2270, 0.1341**, and if you desaturate by 10%, it is **27.5474, 0.2575, 0.1921**.

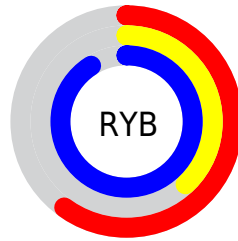
Distribution



Red (60%)

Green (38%)

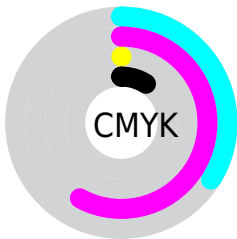
Blue (91%)



Red (60%)

Yellow (38%)

Blue (91%)

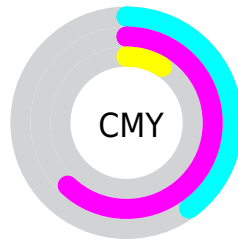


Cyan (34%)

Magenta (58%)

Yellow (0%)

Black (9%)



Cyan (40%)


Magenta (62%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1803, 0.2424, 0.1618 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 21.1803, 0.2424, 0.1618 by changing the saturation by 10% instead.


 21.1803, 0.2424,
0.1618


 21.1803, 0.2424,
0.1618


258.2351, 0.2826,
0.2419


 13.2559, 0.2313,
0.1439


 45.3874, 0.2579,
0.1895

 7.6050, 0.2168,
0.1225


 62.4389, 0.2635,
0.2004

 3.8432, 0.1972,
0.0968


 83.3015, 0.2681,
0.2097

 1.5863, 0.1701,
0.0668

 108.3596, 0.2719,
0.2179

 0.3483, 0.1333,
0.0269

137.9976, 0.2752,
0.2250

 0.0000, 0.0743,
0.0000

172.5999, 0.2780,

 0.0000, 0.0000,

0.2313

0.0000

212.5510, 0.2804,
0.2369

■ 21.1803, 0.2424,
0.1618

■ 21.1803, 0.2424,
0.1618

■ 16.2147, 0.2270,
0.1341

■ 27.5474, 0.2575,
0.1921

■ 12.5326, 0.2121,
0.1106

■ 35.4162, 0.2717,
0.2232

■ 9.9994, 0.1984,
0.0928

■ 44.8798, 0.2847,
0.2539

■ 8.4348, 0.1866,
0.0811

■ 56.0232, 0.2961,
0.2830

■ 8.1317, 0.1840,
0.0787

■ 68.9252, 0.3061,
0.3101

83.6593, 0.3147,
0.3348

97.2531, 0.3223,
0.3526

98.5477, 0.3268,
0.3523

Harmonies

Analogous

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



21.1803, 0.1565, 0.1457



21.1803, 0.2424, 0.1618



21.1803, 0.3760, 0.2065

Triad

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



21.1803, 0.2424, 0.1618



21.1803, 0.5368, 0.4341



21.1803, 0.1373, 0.3499

Complementary

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



21.1803, 0.2424, 0.1618



67.3675, 0.3538, 0.4872

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.



21.1803, 0.2164, 0.5229



21.1803, 0.2424, 0.1618



21.1803, 0.4431, 0.5297

Square

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



21.1803, 0.2424, 0.1618



21.1803, 0.5732, 0.3486



21.1803, 0.3287, 0.5914



21.1803, 0.1072, 0.2205

Rectangle

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



21.1803, 0.2424, 0.1618



21.1803, 0.4725, 0.2492



21.1803, 0.3287, 0.5914



21.1803, 0.1581, 0.4084

Sweetspot

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



21.1811, 0.2424, 0.1618



70.8292, 0.2966, 0.2843



40.1249, 0.2252, 0.2557



14.5156, 0.2945, 0.2786



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.



21.1811, 0.2424, 0.1618



19.3443, 0.2242, 0.1295



29.3644, 0.3057, 0.1886



14.1711, 0.3043, 0.3052



4.6283, 0.1856, 0.0796



0.3951, 0.2020, 0.0887

Inverse Universe

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



28.9007, 0.3804, 0.2429



30.3038, 0.4014, 0.2310



61.4169, 0.3108, 0.5108



14.5111, 0.3200, 0.3151



10.5666, 0.4560, 0.2285



0.7991, 0.4309, 0.2147

Previews

White Background



This preview shows how the Yxy color 21.1803, 0.2424, 0.1618 looks on a white background.

Color Contrast Check

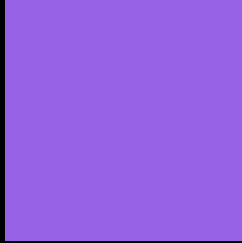
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1803, 0.2424, 0.1618 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

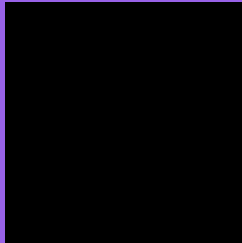
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1803, 0.2424, 0.1618

Background



This preview shows how black text looks on a background with the Yxy color 21.1803, 0.2424, 0.1618.



This preview shows how white text looks on a background with the Yxy color 21.1803, 0.2424, 0.1618.

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

21.1803, 0.2424, 0.1618

Protanopia

21.4964, 0.1777, 0.1487

Deuteranopia

21.5137, 0.1890, 0.1836



Tritanopia

21.0421, 0.3112, 0.3114

Trichromacy



Original Color

21.1803, 0.2424, 0.1618



Protanomaly

20.0838, 0.1896, 0.1482



Deuteranomaly

20.2084, 0.1984, 0.1696



Tritanomaly

20.6150, 0.2823, 0.2431

Monochromacy



Original Color

21.1803, 0.2424, 0.1618



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

21.0284, 0.2833, 0.2516

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1803, 0.2424, 0.1618 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(152, 98, 231)` looks like.

```
.text, #text, p{  
    color:rgb(152, 98, 231)  
}
```

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(152, 98, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 98, 231) }
```

Border

The CSS property to change the border of an element to Yxy 21.1803, 0.2424, 0.1618 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(152, 98, 231) }
```

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

```
.border{ border-color:rgb(152, 98, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 98, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 98, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 98, 231);  
box-shadow:4px 4px 4px 4px rgb(152, 98,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1803, 0.2424, 0.1618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 98, 231) }
```

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

```
.background{ background-color: rgb(152, 98,  
231) }
```

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