

Converting Colors

$Y_{xy}(22.0311, 0.2562, 0.1637)$

Have a look what the booklet for
Yxy(22.0311, 0.2562, 0.1637)
contains.

Yxy(22.0998, 0.2566, 0.1640)	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(22.0998, 0.2566, 0.1640)

Conversions

Conversions Part 1

Format	Color
Hex	A85EE7
RGB	168, 94, 231
RGB Percent	66%, 37%, 91%
CMY	0.3412, 0.6314, 0.0939
CMYK	0.27, 0.59, 0.00, 0.09
HSL	272°, 74%, 64%
HSV	272°, 59%, 91%
XYZ	34.5781, 22.0998, 78.0770
YIQ	131.7440, 0.1270, 58.2950

Conversions

Conversions Part 2

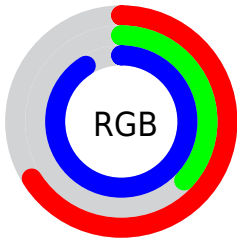
Format	Color
R_{YB}	168, 94, 231
Decimal	11034343
CIE _{Lab}	54.13, 54.64, -58.09
CIE _{LCh}	54, 79.753, 313.245
Yxy	22.0998, 0.2566, 0.1640
Android (android.graphics.Color)	4289224423 (0xFFA85EE7)
YUV	131.7440, 48.9332, 31.7965
Hunter-Lab	47.0104, 49.0259, -65.5641

Details

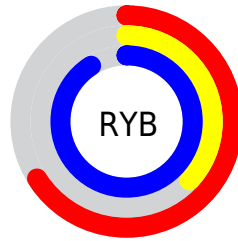
The Yxy color **22.0998, 0.2566, 0.1640** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **65.1578, 0.3412, 0.4993**, and the grayscale version is **22.7981, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.2562, 0.2932, 0.2168**, and **8.0605, 0.2340, 0.1250** is the 20% darker color. If you saturate the color by 10%, you get **17.4693, 0.2442, 0.1392**, and if you desaturate by 10%, it is **28.0567, 0.2686, 0.1917**.

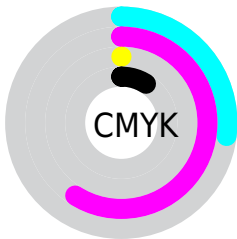
Distribution



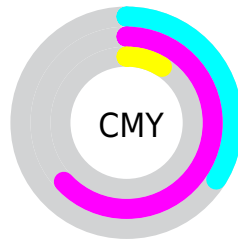
- Red (66%)
- Green (37%)
- Blue (91%)



- Red (66%)
- Yellow (37%)
- Blue (91%)



- Cyan (27%)
- Magenta (59%)
- Yellow (0%)
- Black (9%)





- Cyan (34%)
- Magenta (63%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0998, 0.2566, 0.1640 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 22.0998, 0.2566, 0.1640 by changing the saturation by 10% instead.


 22.0998, 0.2566,
0.1640


 22.0998, 0.2566,
0.1640


263.0670, 0.2896,
0.2424


 13.9302, 0.2473,
0.1466


 46.9109, 0.2695,
0.1911

 8.0722, 0.2348,
0.1256


 64.3212, 0.2741,
0.2017

 4.1412, 0.2178,
0.1006


 85.5806, 0.2779,
0.2108

 1.7528, 0.1937,
0.0711

 111.0734, 0.2810,
0.2188

 0.4575, 0.1595,
0.0339

141.1841, 0.2836,
0.2258

 0.0000, 0.1087,
0.0000

176.2970, 0.2859,

 0.0000, 0.0000,

0.2320

0.0000

216.7965, 0.2879,
0.2375

■ 22.0998, 0.2566,
0.1640

■ 22.0998, 0.2566,
0.1640

■ 17.4693, 0.2442,
0.1392

■ 28.0567, 0.2686,
0.1917

■ 14.0468, 0.2319,
0.1186

■ 35.4391, 0.2798,
0.2209

■ 11.6966, 0.2203,
0.1033

■ 44.3394, 0.2899,
0.2502

■ 10.2019, 0.2097,
0.0931

■ 54.8412, 0.2988,
0.2787

■ 10.1129, 0.2090,
0.0925

■ 67.0220, 0.3066,
0.3057

80.9539, 0.3131,
0.3306

96.2402, 0.3187,
0.3528

98.1804, 0.3255,
0.3523

98.5520, 0.3267,
0.3522

Harmonies

Analogous

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



22.0998, 0.1630, 0.1438



22.0998, 0.2566, 0.1640



22.0998, 0.3972, 0.2126

Triad

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



22.0998, 0.2566, 0.1640



22.0998, 0.5290, 0.4467



22.0998, 0.1279, 0.3278

Complementary

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



22.0998, 0.2566, 0.1640



65.1578, 0.3412, 0.4993

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.



22.0998, 0.2009, 0.5063



22.0998, 0.2566, 0.1640



22.0998, 0.4288, 0.5440

Square

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



22.0998, 0.2566, 0.1640



22.0998, 0.5773, 0.3584



22.0998, 0.3120, 0.5969



22.0998, 0.1037, 0.2069

Rectangle

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



22.0998, 0.2566, 0.1640



22.0998, 0.4930, 0.2572



22.0998, 0.3120, 0.5969



22.0998, 0.1464, 0.3853

Sweetspot

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



22.1006, 0.2566, 0.1640



70.3425, 0.2998, 0.2821



32.5888, 0.2169, 0.2261



14.1720, 0.2974, 0.2740



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.



22.1006, 0.2566, 0.1640



20.8479, 0.2416, 0.1345



30.5182, 0.3238, 0.1946



14.2685, 0.3065, 0.3053



5.7417, 0.2106, 0.0934



0.4794, 0.2258, 0.1017

Inverse Universe

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



27.4370, 0.4084, 0.2602



28.5937, 0.4395, 0.2524



60.4487, 0.3019, 0.5150



14.4778, 0.3221, 0.3182



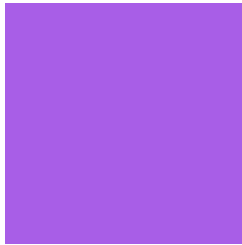
10.1353, 0.5123, 0.2596



0.7675, 0.4772, 0.2402

Previews

White Background



This preview shows how the Yxy color 22.0998, 0.2566, 0.1640 looks on a white background.

Color Contrast Check

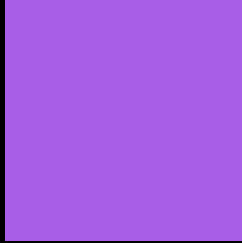
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.0998, 0.2566, 0.1640 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

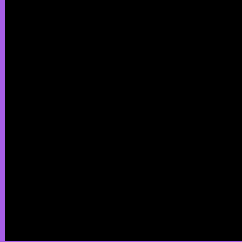
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.0998, 0.2566, 0.1640

Background



This preview shows how black text looks on a background with the Yxy color 22.0998, 0.2566, 0.1640.



This preview shows how white text looks on a background with the Yxy color 22.0998, 0.2566, 0.1640.

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

22.0998, 0.2566, 0.1640

Protanopia

22.5156, 0.1814, 0.1535

Deuteranopia

22.4552, 0.1945, 0.1882



Tritanopia

22.0418, 0.3369, 0.3142

Trichromacy



Original Color

22.0998, 0.2566, 0.1640



Protanomaly

20.9638, 0.1964, 0.1521



Deuteranomaly

21.0443, 0.2076, 0.1729



Tritanomaly

21.5465, 0.3047, 0.2462

Monochromacy



Original Color

22.0998, 0.2566, 0.1640



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

21.8038, 0.2901, 0.2508

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0998, 0.2566, 0.1640 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(168, 94, 231)` looks like.

```
.text, #text, p{  
  color:rgb(168, 94, 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(168, 94, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 94, 231) }
```

Border

The CSS property to change the border of an element to Yxy 22.0998, 0.2566, 0.1640 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(168, 94, 231) }
```

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

```
.border{ border-color:rgb(168, 94, 231) }
```

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

Here you see how a box with a 4 pixel rgb(168, 94, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 94, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 94, 231);  
box-shadow:4px 4px 4px 4px rgb(168, 94,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0998, 0.2566, 0.1640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 94, 231) }
```

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

```
.background{ background-color: rgb(168, 94,  
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