

Converting Colors

$Y_{xy}(21.2978, 0.2701, 0.1941)$

Have a look what the booklet for
Yxy(21.2978, 0.2701, 0.1941)
contains.

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Color

Yxy(21.2814, 0.2701, 0.1934)

Conversions

Conversions Part 1

Format	Color
Hex	9E67CB
RGB	158, 103, 203
RGB Percent	62%, 40%, 80%
CMY	0.3806, 0.5959, 0.2040
CMYK	0.22, 0.49, 0.00, 0.20
HSL	273°, 49%, 60%
HSV	273°, 49%, 80%
XYZ	29.7213, 21.2814, 59.0355
YIQ	130.8450, 0.6800, 42.7600

Conversions

Conversions Part 2

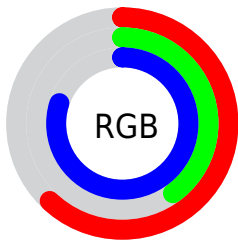
Format	Color
R _{YB}	158, 103, 203
Decimal	10381259
CIE _{Lab}	53.26, 40.86, -43.68
CIE _{LCh}	53, 59.809, 313.089
Y _{xy}	21.2814, 0.2701, 0.1934
Android (android.graphics.Color)	4288571339 (0xFF9E67CB)
YUV	130.8450, 35.5724, 23.8149
Hunter-Lab	46.1318, 34.2717, -43.5821

Details

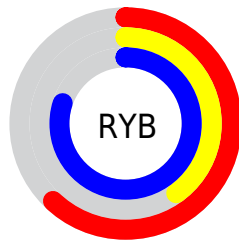
The Yxy color **21.2814, 0.2701, 0.1934** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **49.9910, 0.3380, 0.4689**, and the grayscale version is **22.5103, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.1098, 0.2845, 0.2220**, and **7.6274, 0.2526, 0.1563** is the 20% darker color. If you saturate the color by 10%, you get **16.8280, 0.2585, 0.1660**, and if you desaturate by 10%, it is **26.7857, 0.2809, 0.2222**.

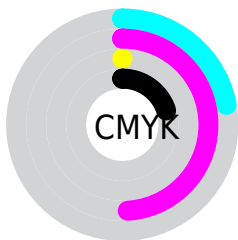
Distribution



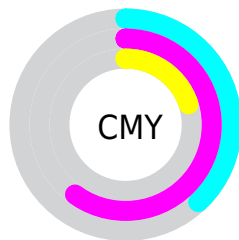
- Red (62%)
- Green (40%)
- Blue (80%)



- Red (62%)
- Yellow (40%)
- Blue (80%)



- Cyan (22%)
- Magenta (49%)
- Yellow (0%)
- Black (20%)





- Cyan (38%)
- Magenta (60%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.2814, 0.2701, 0.1934 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 21.2814, 0.2701, 0.1934 by changing the saturation by 10% instead.


 21.2814, 0.2701,
0.1934


 21.2814, 0.2701,
0.1934


258.7702, 0.2955,
0.2614


 13.3299, 0.2625,
0.1770


 45.5554, 0.2803,
0.2178

 7.6561, 0.2521,
0.1564


 62.6466, 0.2838,
0.2271

 3.8757, 0.2372,
0.1304


 83.5532, 0.2867,
0.2350

 1.6043, 0.2146,
0.0973

 108.6595, 0.2891,
0.2418

 0.3605, 0.1808,
0.0451

138.3500, 0.2911,
0.2476

 0.0000, 0.0907,
0.0000

173.0090, 0.2928,

 0.0000, 0.0000,

0.2528

0.0000

213.0210, 0.2942,
0.2573

■ 21.2814, 0.2701,
0.1934

■ 21.2814, 0.2701,
0.1934

■ 16.8280, 0.2585,
0.1660

■ 26.7857, 0.2809,
0.2222

■ 13.3494, 0.2464,
0.1413

■ 33.4049, 0.2907,
0.2512

■ 10.7628, 0.2344,
0.1208


■ 41.2004, 0.2993,
0.2794


■ 8.9698, 0.2230,
0.1053


■ 50.2285, 0.3068,
0.3061


■ 7.8033, 0.2125,
0.0947


■ 60.5420, 0.3132,
0.3308

 7.7245, 0.2117,
0.0940

 72.1901, 0.3185,
0.3535

 85.2198, 0.3229,
0.3740

 92.8415, 0.3278,
0.3827

 94.4048, 0.3338,
0.3817

Harmonies

Analogous

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



21.2814, 0.1914, 0.1763



21.2814, 0.2701, 0.1934



21.2814, 0.3788, 0.2355

Triad

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



21.2814, 0.2701, 0.1934



21.2814, 0.4940, 0.4385



21.2814, 0.1653, 0.3335

Complementary

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



21.2814, 0.2701, 0.1934



49.9910, 0.3380, 0.4689

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.



21.2814, 0.2302, 0.4585



21.2814, 0.2701, 0.1934



21.2814, 0.4191, 0.5068

Square

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



21.2814, 0.2701, 0.1934



21.2814, 0.5222, 0.3647



21.2814, 0.3236, 0.5294



21.2814, 0.1400, 0.2367

Rectangle

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



21.2814, 0.2701, 0.1934



21.2814, 0.4506, 0.2743



21.2814, 0.3236, 0.5294



21.2814, 0.1825, 0.3751

Sweetspot

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



21.2822, 0.2701, 0.1934



74.8531, 0.3025, 0.2904



28.9078, 0.2332, 0.2475



15.3500, 0.3009, 0.2846



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.



21.2822, 0.2701, 0.1934



27.8220, 0.2578, 0.1645



26.5567, 0.3218, 0.2144



11.1426, 0.3067, 0.3057



4.9711, 0.2130, 0.0947



0.3011, 0.2334, 0.1059

Inverse Universe

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



24.5431, 0.3856, 0.2717



34.2637, 0.4102, 0.2616



46.6417, 0.3036, 0.4789



11.2963, 0.3221, 0.3186



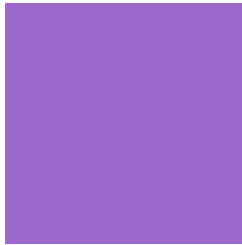
8.5838, 0.5150, 0.2610



0.4581, 0.4675, 0.2349

Previews

White Background



This preview shows how the Yxy color 21.2814, 0.2701, 0.1934 looks on a white background.

Color Contrast Check

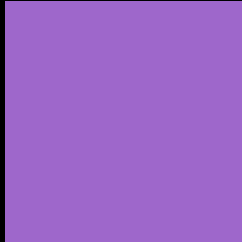
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2814, 0.2701, 0.1934 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

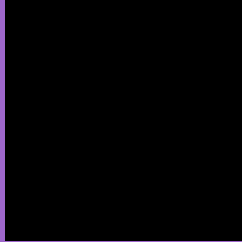
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.2814, 0.2701, 0.1934

Background



This preview shows how black text looks on a background with the Yxy color 21.2814, 0.2701, 0.1934.



This preview shows how white text looks on a background with the Yxy color 21.2814, 0.2701, 0.1934.

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

21.2814, 0.2701, 0.1934

Protanopia

21.5820, 0.2035, 0.1823

Deuteranopia

21.4296, 0.2204, 0.2147



Tritanopia

21.3974, 0.3333, 0.3139

Trichromacy



Original Color

21.2814, 0.2701, 0.1934

Protanomaly

20.7636, 0.2209, 0.1830

Deuteranomaly

20.7718, 0.2347, 0.2034

Tritanomaly

20.9530, 0.3075, 0.2610

Monochromacy



Original Color

21.2814, 0.2701, 0.1934

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

21.7718, 0.2969, 0.2704

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2814, 0.2701, 0.1934 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(158, 103, 203)` looks like.

```
.text, #text, p{  
    color:rgb(158, 103, 203)  
}
```

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(158, 103, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 103, 203) }
```

Border

The CSS property to change the border of an element to Yxy 21.2814, 0.2701, 0.1934 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(158, 103, 203) }
```

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

```
.border{ border-color:rgb(158, 103, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 103, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 103, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 103, 203);  
box-shadow:4px 4px 4px 4px rgb(158, 103,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2814, 0.2701, 0.1934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 103, 203) }
```

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

```
.background{ background-color: rgb(158,  
103, 203) }
```

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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