

Converting Colors

$Y_{xy}(21.7008, 0.2145, 0.1435)$

Have a look what the booklet for
Yxy(21.7008, 0.2145, 0.1435)
contains.

Yxy(21.7093, 0.2147, 0.1435)	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(21.7093, 0.2147, 0.1435)

Conversions

Conversions Part 1

Format	Color
Hex	8566FF
RGB	133, 102, 255
RGB Percent	52%, 40%, 100%
CMY	0.4782, 0.6001, 0.0000
CMYK	0.48, 0.60, 0.00, 0.00
HSL	252°, 100%, 70%
HSV	252°, 60%, 100%
XYZ	32.4807, 21.7093, 97.0943
YIQ	128.7110, -30.6370, 54.1550

Conversions

Conversions Part 2

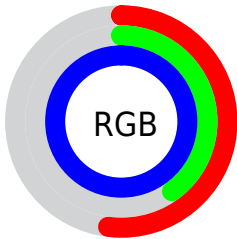
Format	Color
R _Y B	133, 102, 255
Decimal	8742655
CIE _{Lab}	53.72, 49.06, -72.30
CIE _{LCh}	54, 87.378, 304.160
Yxy	21.7093, 0.2147, 0.1435
Android (android.graphics.Color)	4286932735 (0xFF8566FF)
YUV	128.7110, 62.2605, 3.7615
Hunter-Lab	46.5932, 42.8965, -90.9374

Details

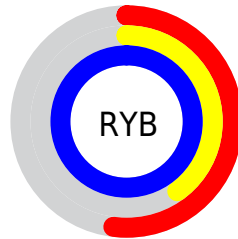
The Yxy color **21.7093, 0.2147, 0.1435** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **88.3148, 0.3760, 0.4821**, and the grayscale version is **21.6345, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.6687, 0.2671, 0.2157**, and **7.8795, 0.1841, 0.1045** is the 20% darker color. If you saturate the color by 10%, you get **15.9479, 0.1965, 0.1142**, and if you desaturate by 10%, it is **29.3314, 0.2337, 0.1762**.

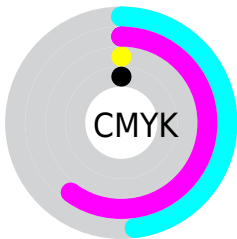
Distribution



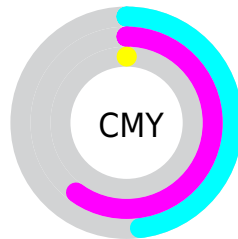
- Red (52%)
- Green (40%)
- Blue (100%)



- Red (52%)
- Yellow (40%)
- Blue (100%)



- Cyan (48%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)




- Cyan (48%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.7093, 0.2147, 0.1435 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 21.7093, 0.2147, 0.1435 by changing the saturation by 10% instead.


 21.7093, 0.2147,
0.1435


 21.7093, 0.2147,
0.1435


261.0244, 0.2680,
0.2294


 13.6435, 0.2012,
0.1254


 46.2651, 0.2345,
0.1724

 7.8731, 0.1840,
0.1043


 63.5238, 0.2418,
0.1840

 4.0139, 0.1621,
0.0801


 84.6155, 0.2480,
0.1940

 1.6813, 0.1339,
0.0533

 109.9248, 0.2532,
0.2029

 0.4115, 0.0985,
0.0221

139.8359, 0.2577,
0.2107

 0.0000, 0.0529,
0.0000

174.7333, 0.2616,

 0.0000, 0.0000,

0.2176

0.0000

215.0013, 0.2650,
0.2238

■ 21.7093, 0.2147,
0.1435

■ 21.7093, 0.2147,
0.1435

■ 15.9479, 0.1965,
0.1142

■ 29.3314, 0.2337,
0.1762

■ 11.8821, 0.1805,
0.0905

■ 38.9593, 0.2525,
0.2101

■ 9.3169, 0.1678,
0.0741

■ 50.7234, 0.2701,
0.2433

■ 7.9442, 0.1588,
0.0648

■ 64.7431, 0.2862,
0.2746

■ 81.1288, 0.3004,
0.3033

99.9836, 0.3127,
0.3290

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



21.7093, 0.1331, 0.1316



21.7093, 0.2147, 0.1435



21.7093, 0.3538, 0.1853

Triad

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



21.7093, 0.2147, 0.1435



21.7093, 0.5654, 0.4159



21.7093, 0.1303, 0.3831

Complementary

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



21.7093, 0.2147, 0.1435



88.3148, 0.3760, 0.4821

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.



21.7093, 0.2211, 0.5781



21.7093, 0.2147, 0.1435



21.7093, 0.4670, 0.5238

Square

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



21.7093, 0.2147, 0.1435



21.7093, 0.5969, 0.3289



21.7093, 0.3425, 0.6151



21.7093, 0.0934, 0.2244

Rectangle

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



21.7093, 0.2147, 0.1435



21.7093, 0.4644, 0.2280



21.7093, 0.3425, 0.6151



21.7093, 0.1547, 0.4533

Sweetspot

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



21.7093, 0.2147, 0.1435



67.8403, 0.2892, 0.2806



63.5679, 0.2306, 0.2915



13.5666, 0.2848, 0.2719



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.



21.7093, 0.2147, 0.1435



15.0085, 0.1931, 0.1090



30.2877, 0.2771, 0.1709



17.5553, 0.3010, 0.3046



4.2007, 0.1599, 0.0655



0.4525, 0.1698, 0.0709

Inverse Universe

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



36.1366, 0.3499, 0.2127



30.8648, 0.3595, 0.1977



78.7641, 0.3265, 0.5107



18.2334, 0.3169, 0.3103



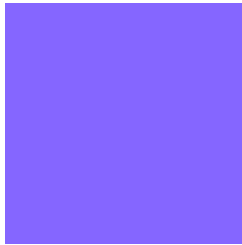
13.3895, 0.3802, 0.1868



1.3189, 0.3721, 0.1824

Previews

White Background



This preview shows how the Yxy color 21.7093, 0.2147, 0.1435 looks on a white background.

Color Contrast Check

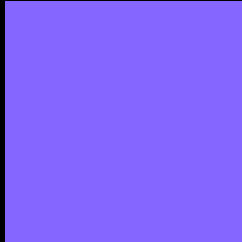
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7093, 0.2147, 0.1435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

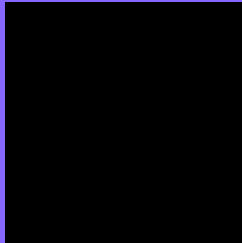
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.7093, 0.2147, 0.1435

Background



This preview shows how black text looks on a background with the Yxy color 21.7093, 0.2147, 0.1435.



This preview shows how white text looks on a background with the Yxy color 21.7093, 0.2147, 0.1435.

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

21.7093, 0.2147, 0.1435

Protanopia

22.0666, 0.1792, 0.1515

Deuteranopia

21.8340, 0.1837, 0.1813



Tritanopia

21.6135, 0.2697, 0.3084

Trichromacy



Original Color

21.7093, 0.2147, 0.1435



Protanomaly

21.1272, 0.1860, 0.1453



Deuteranomaly

20.2344, 0.1838, 0.1591



Tritanomaly

20.8905, 0.2450, 0.2283

Monochromacy



Original Color

21.7093, 0.2147, 0.1435



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

21.0346, 0.2677, 0.2392

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7093, 0.2147, 0.1435 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(133, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(133, 102, 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(133, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 102, 255) }
```

Border

The CSS property to change the border of an element to Yxy 21.7093, 0.2147, 0.1435 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(133, 102, 255) }
```

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

```
.border{ border-color:rgb(133, 102, 255) }
```

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

Here you see how a box with a 4 pixel rgb(133, 102, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(133, 102,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7093, 0.2147, 0.1435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 102, 255) }
```

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

```
.background{ background-color: rgb(133,  
102, 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