

Converting Colors

$Y_{xy}(21.4852, 0.2157, 0.1422)$

Have a look what the booklet for
Yxy(21.4852, 0.2157, 0.1422)
contains.

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Color

Yxy(21.4852, 0.2157, 0.1422)

Conversions

Conversions Part 1

Format	Color
Hex	8764FF
RGB	135, 100, 255
RGB Percent	53%, 39%, 100%
CMY	0.4707, 0.6077, 0.0001
CMYK	0.47, 0.61, 0.00, 0.00
HSL	254°, 100%, 70%
HSV	254°, 61%, 100%
XYZ	32.5904, 21.4852, 97.0158
YIQ	128.1350, -28.8950, 55.6250

Conversions

Conversions Part 2

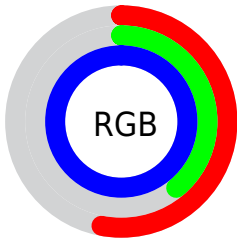
Format	Color
R _Y B	135, 100, 255
Decimal	8873215
CIE Lab	53.48, 50.49, -72.67
CIE LCh	53, 88.487, 304.795
Yxy	21.4852, 0.2157, 0.1422
Android (android.graphics.Color)	4287063295 (0xFF8764FF)
YUV	128.1350, 62.5444, 6.0206
Hunter-Lab	46.3521, 44.3880, -91.6485

Details

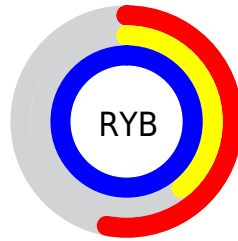
The Yxy color **21.4852, 0.2157, 0.1422** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **87.6469, 0.3741, 0.4852**, and the grayscale version is **21.4231, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.2786, 0.2684, 0.2140**, and **7.7766, 0.1850, 0.1033** is the 20% darker color. If you saturate the color by 10%, you get **15.8464, 0.1978, 0.1135**, and if you desaturate by 10%, it is **28.9590, 0.2344, 0.1745**.

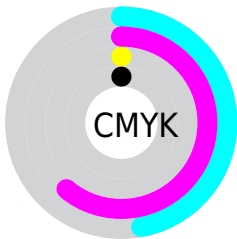
Distribution



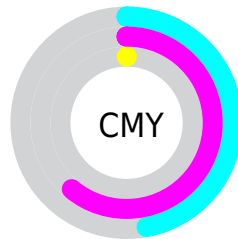
- Red (53%)
- Green (39%)
- Blue (100%)



- Red (53%)
- Yellow (39%)
- Blue (100%)



- Cyan (47%)
- Magenta (61%)
- Yellow (0%)
- Black (0%)




- Cyan (47%)
- Magenta (61%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.4852, 0.2157, 0.1422 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 21.4852, 0.2157, 0.1422 by changing the saturation by 10% instead.


 21.4852, 0.2157,
0.1422


 21.4852, 0.2157,
0.1422


259.8459, 0.2687,
0.2285


 13.4791, 0.2022,
0.1241


 45.8937, 0.2354,
0.1712


 7.7593, 0.1851,
0.1030


 63.0648, 0.2427,
0.1828

 3.9413, 0.1632,
0.0788


 84.0598, 0.2488,
0.1930

 1.6408, 0.1350,
0.0520

 109.2630, 0.2540,
0.2019

 0.3849, 0.0996,
0.0207

139.0589, 0.2585,
0.2097

 0.0000, 0.0539,
0.0000

173.8317, 0.2623,

 0.0000, 0.0000,

0.2167

0.0000

213.9659, 0.2657,
0.2229

■ 21.4852, 0.2157,
0.1422

■ 21.4852, 0.2157,
0.1422

■ 15.8464, 0.1978,
0.1135

■ 28.9590, 0.2344,
0.1745

■ 11.8756, 0.1820,
0.0904

■ 38.4106, 0.2528,
0.2080

■ 9.3776, 0.1693,
0.0744

■ 49.9706, 0.2701,
0.2411

■ 8.1026, 0.1607,
0.0659

■ 63.7577, 0.2858,
0.2725

■ 79.8818, 0.2998,
0.3012

98.4454, 0.3119,
0.3271

99.9984, 0.3127,
0.3290

Harmonies

Analogous

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



21.4852, 0.1325, 0.1295



21.4852, 0.2157, 0.1422



21.4852, 0.3577, 0.1849

Triad

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



21.4852, 0.2157, 0.1422



21.4852, 0.5661, 0.4174



21.4852, 0.1266, 0.3792

Complementary

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



21.4852, 0.2157, 0.1422



87.6469, 0.3741, 0.4852

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.



21.4852, 0.2168, 0.5799



21.4852, 0.2157, 0.1422



21.4852, 0.4653, 0.5277

Square

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



21.4852, 0.2157, 0.1422



21.4852, 0.6010, 0.3295



21.4852, 0.3387, 0.6202



21.4852, 0.0909, 0.2202

Rectangle

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



21.4852, 0.2157, 0.1422



21.4852, 0.4701, 0.2281



21.4852, 0.3387, 0.6202



21.4852, 0.1506, 0.4508

Sweetspot

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



21.4859, 0.2157, 0.1422



67.9998, 0.2899, 0.2807



61.8555, 0.2291, 0.2876



13.6049, 0.2856, 0.2720



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.



21.4859, 0.2157, 0.1422



14.8256, 0.1941, 0.1078



30.1978, 0.2788, 0.1701



17.5752, 0.3014, 0.3047



4.2888, 0.1619, 0.0666



0.4637, 0.1723, 0.0723

Inverse Universe

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



35.5445, 0.3542, 0.2144



30.3035, 0.3653, 0.1999



78.3479, 0.3249, 0.5139



18.2262, 0.3173, 0.3108



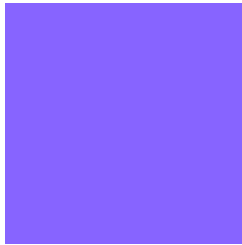
13.2511, 0.3879, 0.1910



1.3066, 0.3786, 0.1859

Previews

White Background



This preview shows how the Yxy color 21.4852, 0.2157, 0.1422 looks on a white background.

Color Contrast Check

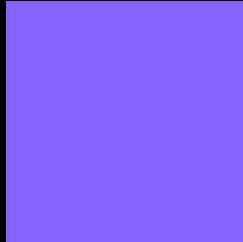
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4852, 0.2157, 0.1422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

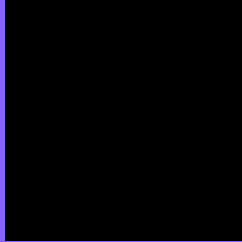
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.4852, 0.2157, 0.1422

Background



This preview shows how black text looks on a background with the Yxy color 21.4852, 0.2157, 0.1422.



This preview shows how white text looks on a background with the Yxy color 21.4852, 0.2157, 0.1422.

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

21.4852, 0.2157, 0.1422

Protanopia

21.7432, 0.1781, 0.1499

Deuteranopia

21.5113, 0.1835, 0.1807



Tritanopia

21.3986, 0.2732, 0.3103

Trichromacy



Original Color

21.4852, 0.2157, 0.1422



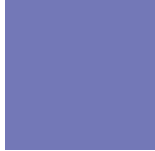
Protanomaly

20.8211, 0.1849, 0.1438



Deuteranomaly

19.9610, 0.1839, 0.1586



Tritanomaly

20.4967, 0.2470, 0.2267

Monochromacy



Original Color

21.4852, 0.2157, 0.1422



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

20.8382, 0.2694, 0.2391

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4852, 0.2157, 0.1422 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(135, 100, 255)` looks like.

```
.text, #text, p{  
    color:rgb(135, 100, 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(135, 100, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 100, 255) }
```

Border

The CSS property to change the border of an element to Yxy 21.4852, 0.2157, 0.1422 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(135, 100, 255) }
```

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

```
.border{ border-color:rgb(135, 100, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 100, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 100, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 100, 255);  
box-shadow:4px 4px 4px 4px rgb(135, 100,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 21.4852, 0.2157, 0.1422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 100, 255) }
```

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

```
.background{ background-color: rgb(135,  
100, 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](#).

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