

Converting Colors

$Y_{xy}(21.3779, 0.2156, 0.1416)$

Have a look what the booklet for
Yxy(21.3779, 0.2156, 0.1416)
contains.

Yxy(21.2946, 0.2155, 0.1412)	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(21.2946, 0.2155, 0.1412)

Conversions

Conversions Part 1

Format	Color
Hex	8763FF
RGB	135, 99, 255
RGB Percent	53%, 39%, 100%
CMY	0.4707, 0.6117, 0.0000
CMYK	0.47, 0.61, 0.00, 0.00
HSL	254°, 100%, 69%
HSV	254°, 61%, 100%
XYZ	32.4999, 21.2946, 97.0171
YIQ	127.5480, -28.6200, 56.1480

Conversions

Conversions Part 2

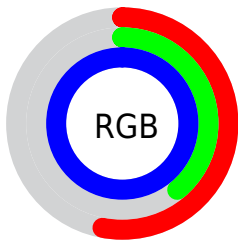
Format	Color
R _{YB}	135, 99, 255
Decimal	8872959
CIE Lab	53.27, 51.06, -73.02
CIE LCh	53, 89.102, 304.962
Yxy	21.2946, 0.2155, 0.1412
Android (android.graphics.Color)	4287063039 (0xFF8763FF)
YUV	127.5480, 62.8338, 6.5354
Hunter-Lab	46.1461, 44.9589, -92.3485

Details

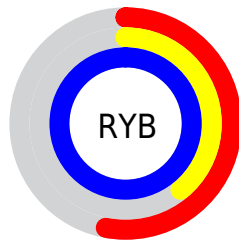
The Yxy color **21.2946, 0.2155, 0.1412** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **87.4900, 0.3738, 0.4864**, and the grayscale version is **21.2077, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.9553, 0.2683, 0.2129**, and **7.6056, 0.1846, 0.1014** is the 20% darker color. If you saturate the color by 10%, you get **15.7208, 0.1977, 0.1127**, and if you desaturate by 10%, it is **28.6925, 0.2341, 0.1733**.

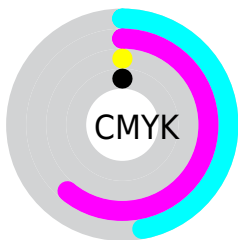
Distribution



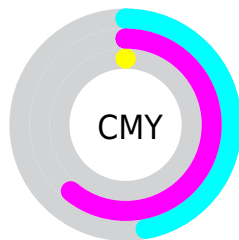
- Red (53%)
- Green (39%)
- Blue (100%)



- 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 21.2946, 0.2155, 0.1412 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 21.2946, 0.2155, 0.1412 by changing the saturation by 10% instead.


 21.2946, 0.2155,
0.1412


 21.2946, 0.2155,
0.1412


258.8400, 0.2686,
0.2279


 13.3395, 0.2019,
0.1230


 45.5773, 0.2353,
0.1703

 7.6628, 0.1848,
0.1019


 62.6737, 0.2426,
0.1820

 3.8799, 0.1628,
0.0777


 83.5861, 0.2487,
0.1922

 1.6066, 0.1345,
0.0511

 108.6987, 0.2540,
0.2011

 0.3621, 0.0991,
0.0195

138.3960, 0.2584,
0.2090

 0.0000, 0.0531,
0.0000

173.0624, 0.2623,

 0.0000, 0.0000,

0.2160

0.0000

213.0823, 0.2657,
0.2223

■ 21.2946, 0.2155,
0.1412

■ 21.2946, 0.2155,
0.1412

■ 15.7208, 0.1977,
0.1127

■ 28.6925, 0.2341,
0.1733

■ 11.8064, 0.1820,
0.0899

■ 38.0604, 0.2525,
0.2068

■ 9.3538, 0.1694,
0.0743

■ 49.5283, 0.2697,
0.2399

■ 8.1425, 0.1611,
0.0661

■ 63.2152, 0.2854,
0.2713

■ 79.2309, 0.2993,
0.3001

97.6780, 0.3114,
0.3261

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.



21.2946, 0.1316, 0.1283



21.2946, 0.2155, 0.1412



21.2946, 0.3589, 0.1842

Triad

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



21.2946, 0.2155, 0.1412



21.2946, 0.5671, 0.4176



21.2946, 0.1248, 0.3783

Complementary

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



21.2946, 0.2155, 0.1412



87.4900, 0.3738, 0.4864

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.



21.2946, 0.2149, 0.5821



21.2946, 0.2155, 0.1412



21.2946, 0.4652, 0.5294

Square

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



21.2946, 0.2155, 0.1412



21.2946, 0.6034, 0.3293



21.2946, 0.3373, 0.6229



21.2946, 0.0895, 0.2185

Rectangle

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



21.2946, 0.2155, 0.1412



21.2946, 0.4724, 0.2277



21.2946, 0.3373, 0.6229



21.2946, 0.1487, 0.4508

Sweetspot

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



21.2943, 0.2155, 0.1412



68.0353, 0.2900, 0.2807



61.6940, 0.2287, 0.2873



13.6134, 0.2858, 0.2721



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.



21.2943, 0.2155, 0.1412



14.8858, 0.1947, 0.1080



29.9668, 0.2785, 0.1692



17.5796, 0.3015, 0.3047



4.3096, 0.1624, 0.0668



0.4663, 0.1729, 0.0726

Inverse Universe

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



35.3042, 0.3554, 0.2145



30.2566, 0.3664, 0.2006



78.2797, 0.3249, 0.5151



18.2245, 0.3173, 0.3109



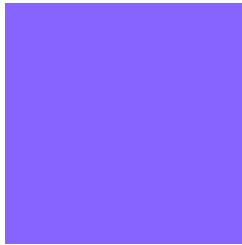
13.2210, 0.3896, 0.1920



1.3039, 0.3801, 0.1868

Previews

White Background



This preview shows how the Yxy color 21.2946, 0.2155, 0.1412 looks on a white background.

Color Contrast Check

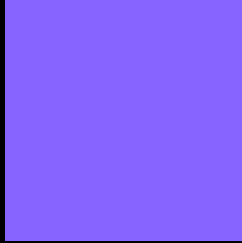
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2946, 0.2155, 0.1412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

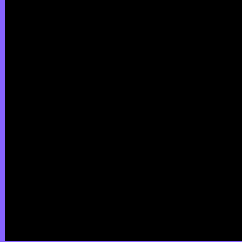
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.2946, 0.2155, 0.1412

Background



This preview shows how black text looks on a background with the Yxy color 21.2946, 0.2155, 0.1412.



This preview shows how white text looks on a background with the Yxy color 21.2946, 0.2155, 0.1412.

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

21.2946, 0.2155, 0.1412

Protanopia

21.4461, 0.1773, 0.1485

Deuteranopia

21.4563, 0.1838, 0.1817



Tritanopia

21.1286, 0.2730, 0.3084

Trichromacy



Original Color

21.2946, 0.2155, 0.1412

Protanomaly

20.5198, 0.1839, 0.1423

Deuteranomaly

19.9610, 0.1839, 0.1586

Tritanomaly

20.2574, 0.2468, 0.2251

Monochromacy



Original Color

21.2946, 0.2155, 0.1412

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

20.6039, 0.2693, 0.2375

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2946, 0.2155, 0.1412 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, 99, 255)` looks like.

```
.text, #text, p{  
    color:rgb(135, 99, 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, 99, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 99, 255) }
```

Border

The CSS property to change the border of an element to Yxy 21.2946, 0.2155, 0.1412 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, 99, 255) }
```

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

```
.border{ border-color:rgb(135, 99, 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, 99, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 99, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 99, 255);  
box-shadow:4px 4px 4px 4px rgb(135, 99,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2946, 0.2155, 0.1412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 99, 255) }
```

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

```
.background{ background-color: rgb(135, 99,  
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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