

Converting Colors

$Y_{xy}(21.5461, 0.2189, 0.1491)$

Have a look what the booklet for
Yxy(21.5461, 0.2189, 0.1491)
contains.

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Color

Yxy(21.5461, 0.2189, 0.1491)

Conversions

Conversions Part 1

Format	Color
Hex	8667F8
RGB	134, 103, 248
RGB Percent	53%, 40%, 97%
CMY	0.4744, 0.5962, 0.0273
CMYK	0.46, 0.58, 0.00, 0.03
HSL	253°, 91%, 69%
HSV	253°, 58%, 97%
XYZ	31.6327, 21.5461, 91.3289
YIQ	128.7990, -28.0690, 51.6670

Conversions

Conversions Part 2

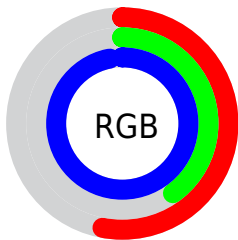
Format	Color
RYB	134, 103, 248
Decimal	8808440
CIELab	53.54, 46.75, -68.72
CIELCh	54, 83.111, 304.228
Yxy	21.5461, 0.2189, 0.1491
Android (android.graphics.Color)	4286998520 (0xFF8667F8)
YUV	128.7990, 58.7661, 4.5613
Hunter-Lab	46.4178, 40.4129, -84.1631

Details

The Yxy color **21.5461, 0.2189, 0.1491** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **82.8864, 0.3738, 0.4793**, and the grayscale version is **21.6777, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.0001, 0.2672, 0.2168**, and **7.8164, 0.1887, 0.1095** is the 20% darker color. If you saturate the color by 10%, you get **15.8668, 0.2006, 0.1192**, and if you desaturate by 10%, it is **28.9848, 0.2378, 0.1820**.

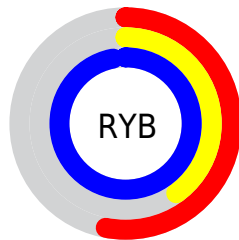
Distribution



Red (53%)

Green (40%)

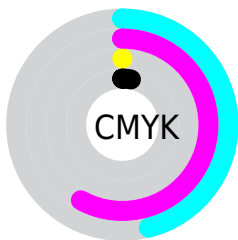
Blue (97%)



Red (53%)

Yellow (40%)

Blue (97%)

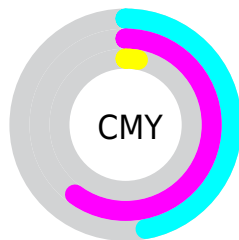


Cyan (46%)

Magenta (58%)

Yellow (0%)

Black (3%)



Cyan (47%)


Magenta (60%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.5461, 0.2189, 0.1491 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 21.5461, 0.2189, 0.1491 by changing the saturation by 10% instead.


 21.5461, 0.2189,
0.1491


 21.5461, 0.2189,
0.1491


260.1666, 0.2703,
0.2335


 13.5238, 0.2056,
0.1310


 45.9946, 0.2381,
0.1778

 7.7902, 0.1888,
0.1097


 63.1896, 0.2452,
0.1892

 3.9610, 0.1669,
0.0849


 84.2110, 0.2511,
0.1991

 1.6518, 0.1384,
0.0570

 109.4431, 0.2562,
0.2077

 0.3921, 0.1022,
0.0235

139.2703, 0.2605,
0.2153

 0.0000, 0.0521,
0.0000

174.0770, 0.2642,

 0.0000, 0.0000,

0.2221

0.0000

214.2477, 0.2674,
0.2281

■ 21.5461, 0.2189,
0.1491

■ 21.5461, 0.2189,
0.1491

■ 15.8668, 0.2006,
0.1192

■ 28.9848, 0.2378,
0.1820

■ 11.7950, 0.1842,
0.0946

■ 38.3133, 0.2562,
0.2157

■ 9.1554, 0.1708,
0.0769

■ 49.6518, 0.2733,
0.2485

■ 7.7037, 0.1610,
0.0666

■ 63.1098, 0.2889,
0.2793

■ 7.5392, 0.1598,
0.0654

■ 78.7890, 0.3025,
0.3074

96.7841, 0.3144,
0.3326

99.5597, 0.3167,
0.3357

Harmonies

Analogous

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



21.5461, 0.1388, 0.1374



21.5461, 0.2189, 0.1491



21.5461, 0.3530, 0.1903

Triad

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



21.5461, 0.2189, 0.1491



21.5461, 0.5584, 0.4175



21.5461, 0.1372, 0.3810

Complementary

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



21.5461, 0.2189, 0.1491



82.8864, 0.3738, 0.4793

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.



21.5461, 0.2265, 0.5641



21.5461, 0.2189, 0.1491



21.5461, 0.4643, 0.5198

Square

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



21.5461, 0.2189, 0.1491



21.5461, 0.5860, 0.3319



21.5461, 0.3451, 0.6038



21.5461, 0.0998, 0.2294

Rectangle

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



21.5461, 0.2189, 0.1491



21.5461, 0.4583, 0.2322



21.5461, 0.3451, 0.6038



21.5461, 0.1613, 0.4469

Sweetspot

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



21.5468, 0.2189, 0.1491



67.9186, 0.2895, 0.2806



60.3386, 0.2322, 0.2927



13.5854, 0.2852, 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.



21.5468, 0.2189, 0.1491



16.0833, 0.1978, 0.1149



29.3869, 0.2784, 0.1746



16.8220, 0.3012, 0.3047



4.1202, 0.1609, 0.0660



0.4254, 0.1717, 0.0720

Inverse Universe

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



34.6686, 0.3503, 0.2165



31.4968, 0.3602, 0.2013



74.2935, 0.3265, 0.5057



17.4572, 0.3171, 0.3106



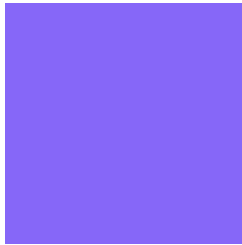
12.9283, 0.3839, 0.1888



1.2127, 0.3748, 0.1839

Previews

White Background



This preview shows how the Yxy color 21.5461, 0.2189, 0.1491 looks on a white background.

Color Contrast Check

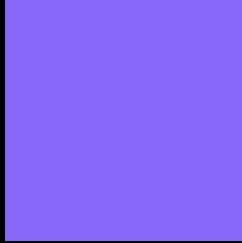
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.5461, 0.2189, 0.1491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

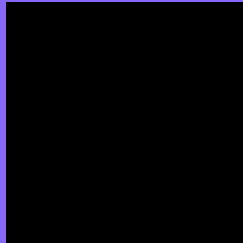
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.5461, 0.2189, 0.1491

Background



This preview shows how black text looks on a background with the Yxy color 21.5461, 0.2189, 0.1491.



This preview shows how white text looks on a background with the Yxy color 21.5461, 0.2189, 0.1491.

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

21.5461, 0.2189, 0.1491

Protanopia

21.7792, 0.1784, 0.1501

Deuteranopia

21.5667, 0.1833, 0.1798



Tritanopia

21.5197, 0.2751, 0.3104

Trichromacy



Original Color

21.5461, 0.2189, 0.1491



Protanomaly

20.8968, 0.1864, 0.1470



Deuteranomaly

20.0841, 0.1848, 0.1615



Tritanomaly

20.7239, 0.2497, 0.2312

Monochromacy



Original Color

21.5461, 0.2189, 0.1491



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

21.2368, 0.2715, 0.2451

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5461, 0.2189, 0.1491 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(134, 103, 248)` looks like.

```
.text, #text, p{  
    color:rgb(134, 103, 248)  
}
```

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(134, 103, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 103, 248) }
```

Border

The CSS property to change the border of an element to Yxy 21.5461, 0.2189, 0.1491 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(134, 103, 248) }
```

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

```
.border{ border-color:rgb(134, 103, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 103, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(134, 103, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(134, 103, 248); box-shadow:4px 4px 4px 4px rgb(134, 103, 248) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5461, 0.2189, 0.1491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 103, 248) }
```

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

```
.background{ background-color: rgb(134,  
103, 248) }
```

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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