

Converting Colors

$Y_{xy}(21.7072, 0.2305, 0.1448)$

Have a look what the booklet for
Yxy(21.7072, 0.2305, 0.1448)
contains.

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Color

Yxy(21.7427, 0.2304, 0.1450)

Conversions

Conversions Part 1

Format	Color
Hex	995EFB
RGB	153, 94, 251
RGB Percent	60%, 37%, 98%
CMY	0.4002, 0.6313, 0.0156
CMYK	0.39, 0.63, 0.00, 0.02
HSL	263°, 95%, 68%
HSV	263°, 63%, 98%
XYZ	34.5484, 21.7427, 93.6586
YIQ	129.5390, -15.2330, 61.3350

Conversions

Conversions Part 2

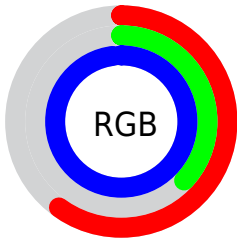
Format	Color
R _Y B	153, 94, 251
Decimal	10051323
CIE Lab	53.75, 56.18, -69.94
CIE LCh	54, 89.709, 308.770
Yxy	21.7427, 0.2304, 0.1450
Android (android.graphics.Color)	4288241403 (0xFF995EFB)
YUV	129.5390, 59.8803, 20.5753
Hunter-Lab	46.6291, 50.6533, -86.4488

Details

The Yxy color **21.7427, 0.2304, 0.1450** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **81.0319, 0.3587, 0.4987**, and the grayscale version is **21.9420, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.0845, 0.2817, 0.2131**, and **7.8859, 0.2033, 0.1064** is the 20% darker color. If you saturate the color by 10%, you get **16.5545, 0.2146, 0.1188**, and if you desaturate by 10%, it is **28.5837, 0.2464, 0.1747**.

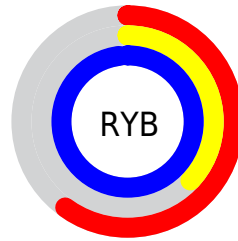
Distribution



Red (60%)

Green (37%)

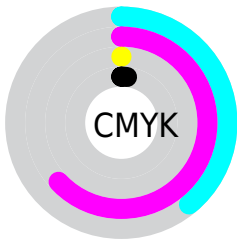
Blue (98%)



Red (60%)

Yellow (37%)

Blue (98%)

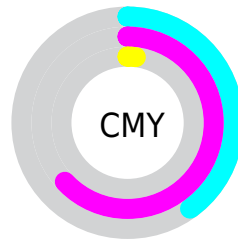


Cyan (39%)

Magenta (63%)

Yellow (0%)

Black (2%)



Cyan (40%)

Magenta (63%)

Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.7427, 0.2304, 0.1450 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 21.7427, 0.2304, 0.1450 by changing the saturation by 10% instead.


 21.7427, 0.2304,
0.1450


 21.7427, 0.2304,
0.1450


261.1996, 0.2765,
0.2299

 13.6680, 0.2183,
0.1271


 46.3204, 0.2478,
0.1736


 7.8901, 0.2027,
0.1061


 63.5921, 0.2542,
0.1850

 4.0247, 0.1823,
0.0819


 84.6983, 0.2595,
0.1950

 1.6874, 0.1553,
0.0549

 110.0233, 0.2640,
0.2037

 0.4155, 0.1201,
0.0232

139.9515, 0.2678,
0.2114

 0.0000, 0.0744,
0.0000

174.8674, 0.2711,

 0.0000, 0.0000,

0.2183

0.0000

215.1553, 0.2740,
0.2244

■ 21.7427, 0.2304,
0.1450

■ 21.7427, 0.2304,
0.1450

■ 16.5545, 0.2146,
0.1188

■ 28.5837, 0.2464,
0.1747

■ 12.8626, 0.1998,
0.0978

■ 37.2097, 0.2619,
0.2062

■ 10.4820, 0.1869,
0.0831

■ 47.7417, 0.2763,
0.2378

■ 9.3586, 0.1788,
0.0759

■ 60.2891, 0.2892,
0.2682

■ 74.9529, 0.3006,
0.2967

91.8271, 0.3105,
0.3228

99.7463, 0.3150,
0.3328

Harmonies

Analogous

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



21.7427, 0.1393, 0.1283



21.7427, 0.2304, 0.1450



21.7427, 0.3805, 0.1917

Triad

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



21.7427, 0.2304, 0.1450



21.7427, 0.5568, 0.4306



21.7427, 0.1174, 0.3524

Complementary

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



21.7427, 0.2304, 0.1450



81.0319, 0.3587, 0.4987

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.



21.7427, 0.2008, 0.5615



21.7427, 0.2304, 0.1450



21.7427, 0.4493, 0.5436

Square

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



21.7427, 0.2304, 0.1450



21.7427, 0.6045, 0.3396



21.7427, 0.3213, 0.6286



21.7427, 0.0882, 0.2054

Rectangle

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



21.7427, 0.2304, 0.1450



21.7427, 0.4927, 0.2369



21.7427, 0.3213, 0.6286



21.7427, 0.1388, 0.4227

Sweetspot

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



21.7434, 0.2304, 0.1450



67.5936, 0.2934, 0.2785



47.6873, 0.2201, 0.2547



13.5764, 0.2901, 0.2701



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.



21.7434, 0.2304, 0.1450



16.0553, 0.2107, 0.1130



31.8123, 0.2997, 0.1763



16.9604, 0.3038, 0.3049



4.9947, 0.1805, 0.0768



0.5210, 0.1936, 0.0840

Inverse Universe

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



32.3308, 0.3836, 0.2326



28.3259, 0.4046, 0.2220



73.4568, 0.3124, 0.5265



17.4076, 0.3196, 0.3143



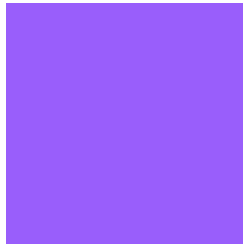
12.0851, 0.4443, 0.2221



1.1399, 0.4255, 0.2118

Previews

White Background



This preview shows how the Yxy color 21.7427, 0.2304, 0.1450 looks on a white background.

Color Contrast Check

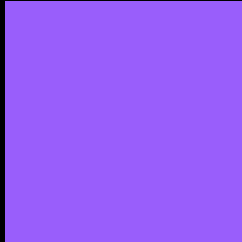
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7427, 0.2304, 0.1450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

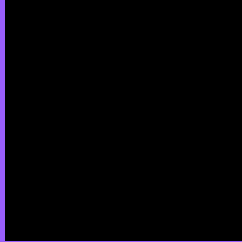
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.7427, 0.2304, 0.1450

Background



This preview shows how black text looks on a background with the Yxy color 21.7427, 0.2304, 0.1450.

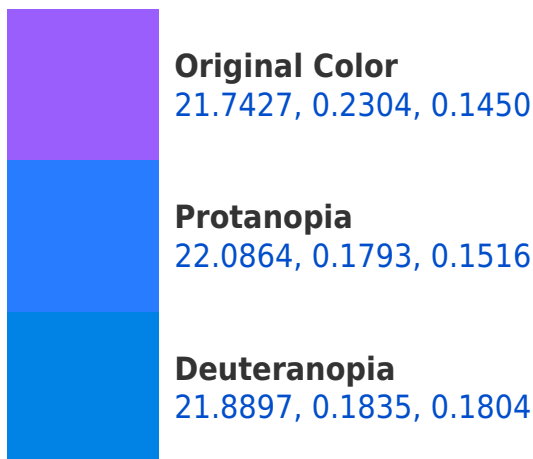


This preview shows how white text looks on a background with the Yxy color 21.7427, 0.2304, 0.1450.

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





Tritanopia

21.5741, 0.3031, 0.3113

Trichromacy



Original Color

21.7427, 0.2304, 0.1450



Protanomaly

20.7153, 0.1885, 0.1436



Deuteranomaly

19.9120, 0.1856, 0.1580



Tritanomaly

20.7942, 0.2717, 0.2307

Monochromacy



Original Color

21.7427, 0.2304, 0.1450



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

21.1818, 0.2766, 0.2393

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7427, 0.2304, 0.1450 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(153, 94, 251)` looks like.

```
.text, #text, p{  
    color:rgb(153, 94, 251)  
}
```

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(153, 94, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 94, 251) }
```

Border

The CSS property to change the border of an element to Yxy 21.7427, 0.2304, 0.1450 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(153, 94, 251) }
```

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

```
.border{ border-color:rgb(153, 94, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 94, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 94, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 94, 251);  
box-shadow:4px 4px 4px 4px rgb(153, 94,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7427, 0.2304, 0.1450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 94, 251) }
```

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

```
.background{ background-color: rgb(153, 94,  
251) }
```

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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