

Converting Colors

$Y_{xy}(21.5141, 0.2581, 0.1493)$

Have a look what the booklet for
Yxy(21.5141, 0.2581, 0.1493)
contains.

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Color

Yxy(21.5265, 0.2584, 0.1493)

Conversions

Conversions Part 1

Format	Color
Hex	B34FF1
RGB	179, 79, 241
RGB Percent	70%, 31%, 95%
CMY	0.2981, 0.6901, 0.0550
CMYK	0.26, 0.67, 0.00, 0.05
HSL	277°, 85%, 63%
HSV	277°, 67%, 95%
XYZ	37.2568, 21.5265, 85.3995
YIQ	127.3680, 7.5980, 71.5820

Conversions

Conversions Part 2

Format	Color
R _Y B	179, 79, 241
Decimal	11751409
CIE Lab	53.52, 66.27, -64.58
CIE LCh	54, 92.529, 315.739
Yxy	21.5265, 0.2584, 0.1493
Android (android.graphics.Color)	4289941489 (0xFFB34FF1)
YUV	127.3680, 56.0206, 45.2813
Hunter-Lab	46.3967, 62.1426, -76.6538

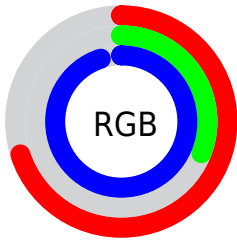
Details

The Yxy color **21.5265, 0.2584, 0.1493** is a light color, and the websafe version is hex **CC66FF**.

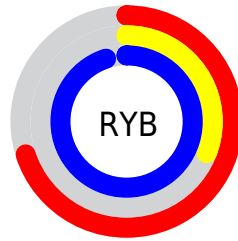
The color can be described as light washed purple. A complement of this color would be **69.1343, 0.3337, 0.5260**, and the grayscale version is **21.1617, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.8987, 0.3042, 0.2095**, and **7.7886, 0.2367, 0.1106** is the 20% darker color. If you saturate the color by 10%, you get **17.5940, 0.2479, 0.1292**, and if you desaturate by 10%, it is **26.7936, 0.2688, 0.1734**.

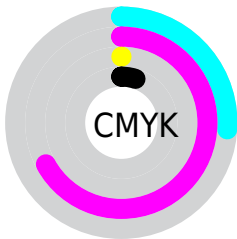
Distribution



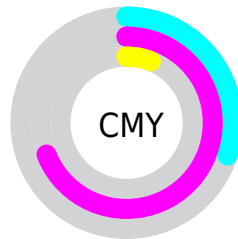
- Red (70%)
- Green (31%)
- Blue (95%)



- Red (70%)
- Yellow (31%)
- Blue (95%)



- Cyan (26%)
- Magenta (67%)
- Yellow (0%)
- Black (5%)




- Cyan (30%)
- Magenta (69%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.5265, 0.2584, 0.1493 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 21.5265, 0.2584, 0.1493 by changing the saturation by 10% instead.


 21.5265, 0.2584,
0.1493


 21.5265, 0.2584,
0.1493


260.0635, 0.2911,
0.2324


 13.5094, 0.2491,
0.1315


 45.9621, 0.2713,
0.1774


 7.7802, 0.2367,
0.1106


 63.1495, 0.2759,
0.1886


 3.9547, 0.2197,
0.0863


 84.1623, 0.2796,
0.1984

 1.6482, 0.1960,
0.0586

 109.3851, 0.2827,
0.2069

 0.3898, 0.1629,
0.0245

 139.2023, 0.2853,
0.2144

 0.0000, 0.1150,
0.0000

173.9981, 0.2876,

 0.0000, 0.0000,

0.2211

0.0000

214.1570, 0.2895,
0.2271

■ 21.5265, 0.2584,
0.1493

■ 21.5265, 0.2584,
0.1493

■ 17.5940, 0.2479,
0.1292

■ 26.7936, 0.2688,
0.1734

■ 14.8486, 0.2377,
0.1140

■ 33.5165, 0.2786,
0.2003

■ 13.1035, 0.2281,
0.1039

■ 41.8051, 0.2877,
0.2285

■ 12.7125, 0.2255,
0.1016

■ 51.7578, 0.2958,
0.2570

■ 63.4648, 0.3029,
0.2848

77.0096, 0.3090,
0.3111

92.4703, 0.3140,
0.3357

98.7140, 0.3195,
0.3425

99.1301, 0.3209,
0.3425

Harmonies

Analogous

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



21.5265, 0.1517, 0.1254



21.5265, 0.2584, 0.1493



21.5265, 0.4237, 0.2032

Triad

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



21.5265, 0.2584, 0.1493



21.5265, 0.5401, 0.4561



21.5265, 0.1013, 0.3071

Complementary

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



21.5265, 0.2584, 0.1493



69.1343, 0.3337, 0.5260

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.



21.5265, 0.1716, 0.5248



21.5265, 0.2584, 0.1493



21.5265, 0.4198, 0.5742

Square

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



21.5265, 0.2584, 0.1493



21.5265, 0.6087, 0.3566



21.5265, 0.2886, 0.6427



21.5265, 0.0829, 0.1806

Rectangle

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



21.5265, 0.2584, 0.1493



21.5265, 0.5336, 0.2513



21.5265, 0.2886, 0.6427



21.5265, 0.1180, 0.3736

Sweetspot

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



21.5273, 0.2584, 0.1493



68.1483, 0.3010, 0.2770



27.0974, 0.2008, 0.1899



13.7745, 0.2990, 0.2691



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.



21.5273, 0.2584, 0.1493



18.5906, 0.2437, 0.1224



29.5739, 0.3395, 0.1921



15.7116, 0.3077, 0.3053



6.9745, 0.2270, 0.1024



0.6372, 0.2392, 0.1092

Inverse Universe

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



26.2195, 0.4475, 0.2674



24.9573, 0.4924, 0.2661



65.4467, 0.2961, 0.5255



15.8590, 0.3233, 0.3200



10.5870, 0.5446, 0.2774



0.8996, 0.5091, 0.2578

Previews

White Background



This preview shows how the Yxy color 21.5265, 0.2584, 0.1493 looks on a white background.

Color Contrast Check

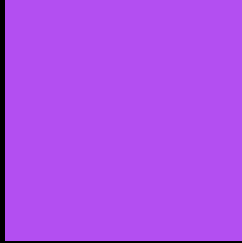
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.5265, 0.2584, 0.1493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

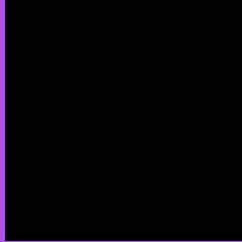
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.5265, 0.2584, 0.1493

Background



This preview shows how black text looks on a background with the Yxy color 21.5265, 0.2584, 0.1493.



This preview shows how white text looks on a background with the Yxy color 21.5265, 0.2584, 0.1493.

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

21.5265, 0.2584, 0.1493

Protanopia

22.0474, 0.1790, 0.1514

Deuteranopia

21.7477, 0.1827, 0.1771



Tritanopia

21.4450, 0.3587, 0.3147

Trichromacy



Original Color

21.5265, 0.2584, 0.1493



Protanomaly

19.7511, 0.1919, 0.1418



Deuteranomaly

18.5253, 0.1873, 0.1513



Tritanomaly

20.7060, 0.3171, 0.2365

Monochromacy



Original Color

21.5265, 0.2584, 0.1493



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

20.0900, 0.2909, 0.2385

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5265, 0.2584, 0.1493 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(179, 79, 241)` looks like.

```
.text, #text, p{  
  color:rgb(179, 79, 241)  
}
```

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(179, 79, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 79, 241) }
```

Border

The CSS property to change the border of an element to Yxy 21.5265, 0.2584, 0.1493 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(179, 79, 241) }
```

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

```
.border{ border-color:rgb(179, 79, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 79, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 79, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 79, 241);  
box-shadow:4px 4px 4px 4px rgb(179, 79,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5265, 0.2584, 0.1493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 79, 241) }
```

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

```
.background{ background-color: rgb(179, 79,  
241) }
```

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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