

Converting Colors

$Y_{xy}(21.7547, 0.2826, 0.1331)$

Have a look what the booklet for
Yxy(21.7547, 0.2826, 0.1331)
contains.

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Color

Yxy(21.7764, 0.2826, 0.1332)

Conversions

Conversions Part 1

Format	Color
Hex	D802FE
RGB	216, 2, 254
RGB Percent	85%, 1%, 100%
CMY	0.1532, 0.9939, 0.0040
CMYK	0.15, 0.99, 0.00, 0.00
HSL	291°, 99%, 50%
HSV	291°, 99%, 100%
XYZ	46.2013, 21.7764, 95.5088
YIQ	94.7140, 46.6520, 123.7400

Conversions

Conversions Part 2

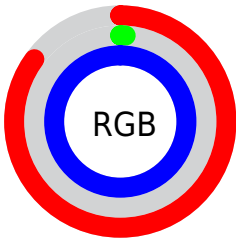
Format	Color
RYB	216, 2, 254
Decimal	14156542
CIELab	53.79, 92.32, -71.13
CIELCh	54, 116.541, 322.389
Yxy	21.7764, 0.2826, 0.1332
Android (android.graphics.Color)	4292346622 (0xFFD802FE)
YUV	94.7140, 78.5280, 106.3678
Hunter-Lab	46.6652, 95.0614, -88.6821

Details

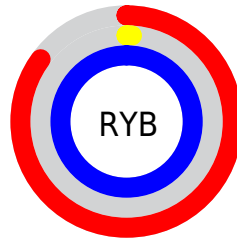
The Yxy color **21.7764, 0.2826, 0.1332** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **71.3112, 0.3037, 0.5967**, and the grayscale version is **11.1037, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.4037, 0.3194, 0.1874**, and **10.9541, 0.2682, 0.1251** is the 20% darker color. If you saturate the color by 10%, you get **21.7076, 0.2824, 0.1329**, and if you desaturate by 10%, it is **23.1148, 0.2866, 0.1388**.

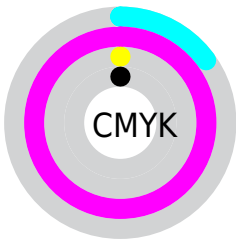
Distribution



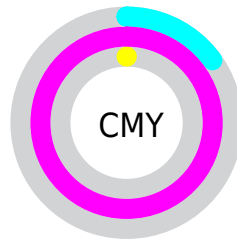
- Red (85%)
- Green (1%)
- Blue (100%)



- Red (85%)
- Yellow (1%)
- Blue (100%)



- Cyan (15%)
- Magenta (99%)
- Yellow (0%)
- Black (0%)




- Cyan (15%)
- Magenta (99%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.7764, 0.2826, 0.1332 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 21.7764, 0.2826, 0.1332 by changing the saturation by 10% instead.

 21.7764, 0.2826,
0.1332


 21.7764, 0.2826,
0.1332


261.3763, 0.3043,
0.2195


 13.6927, 0.2757,
0.1158


 46.3762, 0.2917,
0.1615


 7.9072, 0.2664,
0.0958


 63.6610, 0.2948,
0.1731


 4.0357, 0.2533,
0.0732


 84.7817, 0.2973,
0.1832

 1.6935, 0.2344,
0.0486

 110.1226, 0.2993,
0.1922

 0.4195, 0.2074,
0.0204

 140.0681, 0.3009,
0.2002

 0.0000, 0.1663,
0.0000

175.0026, 0.3022,

 0.0000, 0.1020,

0.2073

0.0000

215.3106, 0.3034,
0.2138

■ 0.0000, 0.0000,
0.0000

■ 21.7764, 0.2826,
0.1332

■ 21.7764, 0.2826,
0.1332

■ 21.7076, 0.2824,
0.1329

■ 23.1148, 0.2866,
0.1388

■ 25.4238, 0.2906,
0.1485

■ 28.9664, 0.2945,
0.1628

■ 33.9137, 0.2982,
0.1813

■ 40.4093, 0.3017,
0.2033

■ 48.5792, 0.3048,
0.2278

■ 58.5362, 0.3074,
0.2536

■ 70.3834, 0.3096,
0.2799

■ 84.2160, 0.3114,
0.3057

Harmonies

Analogous

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



21.7764, 0.1458, 0.1015



21.7764, 0.2826, 0.1332



21.7764, 0.4957, 0.1967

Triad

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



21.7764, 0.2826, 0.1332



21.7764, 0.5248, 0.4752



21.7764, 0.0621, 0.2473

Complementary

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



21.7764, 0.2826, 0.1332



71.3112, 0.3037, 0.5967

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.



21.7764, 0.1143, 0.5146



21.7764, 0.2826, 0.1332



21.7764, 0.3706, 0.6294

Square

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



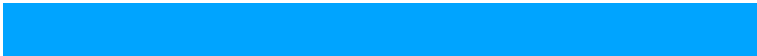
21.7764, 0.2826, 0.1332



21.7764, 0.6421, 0.3574



21.7764, 0.2275, 0.7190



21.7764, 0.0569, 0.1345

Rectangle

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



21.7764, 0.2826, 0.1332



21.7764, 0.6176, 0.2481



21.7764, 0.2275, 0.7190



21.7764, 0.0725, 0.3178

Sweetspot

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



21.7773, 0.2826, 0.1332



58.3992, 0.3072, 0.2520



8.9378, 0.1538, 0.0731



11.5548, 0.3062, 0.2410



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.



21.7773, 0.2826, 0.1332



21.9071, 0.2824, 0.1329



23.9951, 0.4290, 0.2139



18.1536, 0.3114, 0.3054



11.4995, 0.2830, 0.1333



1.1556, 0.2876, 0.1358

Inverse Universe

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



21.2495, 0.6213, 0.3200



21.4027, 0.6226, 0.3204



71.5418, 0.2872, 0.5535



18.0317, 0.3271, 0.3254



11.1966, 0.6197, 0.3187



1.1027, 0.5927, 0.3039

Previews

White Background



This preview shows how the Yxy color 21.7764, 0.2826, 0.1332 looks on a white background.

Color Contrast Check

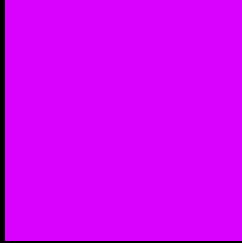
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7764, 0.2826, 0.1332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

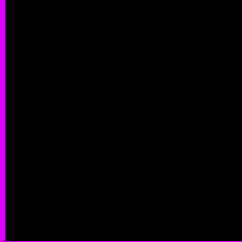
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.7764, 0.2826, 0.1332

Background



This preview shows how black text looks on a background with the Yxy color 21.7764, 0.2826, 0.1332.



This preview shows how white text looks on a background with the Yxy color 21.7764, 0.2826, 0.1332.

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

21.7981, 0.2826, 0.1333

Protanopia

22.6772, 0.1808, 0.1545

Deuteranopia

22.3857, 0.1829, 0.1783



Tritanopia

21.9116, 0.4379, 0.3201

Trichromacy



Original Color

21.7981, 0.2826, 0.1333



Protanomaly

16.2307, 0.1938, 0.1163



Deuteranomaly

14.5101, 0.1836, 0.1192



Tritanomaly

18.9014, 0.3776, 0.2175

Monochromacy



Original Color

21.7981, 0.2826, 0.1333



Achromatopsia

11.1932, 0.3127, 0.3290



Achromatomaly

10.9020, 0.2984, 0.1831

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7764, 0.2826, 0.1332 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(216, 2, 254)` looks like.

```
.text, #text, p{  
    color:rgb(216, 2, 254)  
}
```

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(216, 2, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 2, 254) }
```

Border

The CSS property to change the border of an element to Yxy 21.7764, 0.2826, 0.1332 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(216, 2, 254) }
```

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

```
.border{ border-color:rgb(216, 2, 254) }
```

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

Here you see how a box with a 4 pixel rgb(216, 2, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 2, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 2, 254);  
box-shadow:4px 4px 4px 4px rgb(216, 2,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7764, 0.2826, 0.1332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 2, 254) }
```

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

```
.background{ background-color: rgb(216, 2,  
254) }
```

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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