

Converting Colors

$Y_{xy}(21.5639, 0.2801, 0.1317)$

Have a look what the booklet for
Yxy(21.5639, 0.2801, 0.1317)
contains.

Yxy(21.5161, 0.2798, 0.1315)	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(21.5161, 0.2798, 0.1315)

Conversions

Conversions Part 1

Format	Color
Hex	D600FF
RGB	214, 0, 255
RGB Percent	84%, 0%, 100%
CMY	0.1607, 1.0000, 0.0001
CMYK	0.16, 1.00, 0.00, 0.00
HSL	290°, 100%, 50%
HSV	290°, 100%, 100%
XYZ	45.7810, 21.5161, 96.3234
YIQ	93.0560, 45.6890, 124.6730

Conversions

Conversions Part 2

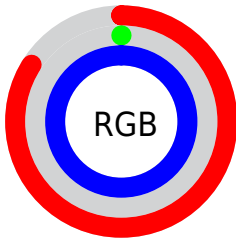
Format	Color
R_{YB}	214, 0, 255
Decimal	14024959
CIE Lab	53.51, 92.33, -72.15
CIE LCh	54, 117.175, 321.994
Yxy	21.5161, 0.2798, 0.1315
Android (android.graphics.Color)	4292215039 (0xFFD600FF)
YUV	93.0560, 79.8384, 106.0679
Hunter-Lab	46.3855, 94.9995, -90.6510

Details

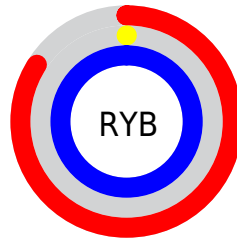
The Yxy color **21.5161, 0.2798, 0.1315** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **71.9723, 0.3040, 0.5968**, and the grayscale version is **10.7639, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2154, 0.3194, 0.1867**, and **10.8035, 0.2647, 0.1232** is the 20% darker color. If you saturate the color by 10%, you get **21.5168, 0.2798, 0.1315**, and if you desaturate by 10%, it is **22.8578, 0.2840, 0.1371**.

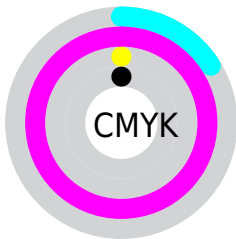
Distribution



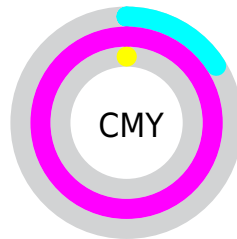
- Red (84%)
- Green (0%)
- Blue (100%)



- Red (84%)
- Yellow (0%)
- Blue (100%)



- Cyan (16%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)





- Cyan (16%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.5161, 0.2798, 0.1315 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 21.5161, 0.2798, 0.1315 by changing the saturation by 10% instead.


 21.5161, 0.2798,
0.1315


 21.5161, 0.2798,
0.1315


260.0087, 0.3030,
0.2185


 13.5018, 0.2726,
0.1140


 45.9449, 0.2895,
0.1600

 7.7750, 0.2628,
0.0940


 63.1282, 0.2928,
0.1716


 3.9513, 0.2491,
0.0715


 84.1365, 0.2954,
0.1818

 1.6464, 0.2296,
0.0470

 109.3544, 0.2975,
0.1909

 0.3886, 0.2019,
0.0188

 139.1661, 0.2993,
0.1989

 0.0000, 0.1602,
0.0000

 173.9562, 0.3008,

 0.0000, 0.0951,

0.2061

0.0000

214.1089, 0.3020,
0.2126

■ 0.0000, 0.0000,
0.0000

■ 21.5161, 0.2798,
0.1315

■ 21.5161, 0.2798,
0.1315

■ 21.5168, 0.2798,
0.1315

■ 22.8578, 0.2840,
0.1371

■ 25.1481, 0.2883,
0.1467

■ 28.6733, 0.2926,
0.1609

■ 33.6083, 0.2966,
0.1794

■ 40.0997, 0.3004,
0.2014

■ 48.2754, 0.3037,
0.2260

■ 58.2503, 0.3067,
0.2519

■ 70.1288, 0.3091,
0.2782

■ 84.0075, 0.3111,
0.3041

Harmonies

Analogous

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



21.5161, 0.1435, 0.1002



21.5161, 0.2798, 0.1315



21.5161, 0.4942, 0.1948

Triad

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



21.5161, 0.2798, 0.1315



21.5161, 0.5271, 0.4729



21.5161, 0.0612, 0.2486

Complementary

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



21.5161, 0.2798, 0.1315



71.9723, 0.3040, 0.5968

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.



21.5161, 0.1138, 0.5207



21.5161, 0.2798, 0.1315



21.5161, 0.3715, 0.6285

Square

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



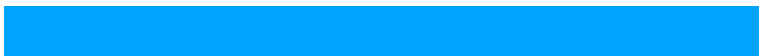
21.5161, 0.2798, 0.1315



21.5161, 0.6449, 0.3551



21.5161, 0.2275, 0.7229



21.5161, 0.0558, 0.1341

Rectangle

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



21.5161, 0.2798, 0.1315



21.5161, 0.6183, 0.2461



21.5161, 0.2275, 0.7229



21.5161, 0.0717, 0.3205

Sweetspot

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



21.5170, 0.2798, 0.1315



58.2637, 0.3067, 0.2519



8.9096, 0.1535, 0.0724



11.5220, 0.3055, 0.2408



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.



21.5170, 0.2798, 0.1315



21.5223, 0.2798, 0.1315



24.1562, 0.4299, 0.2142



18.1440, 0.3112, 0.3054



11.3010, 0.2805, 0.1319



1.1381, 0.2854, 0.1346

Inverse Universe

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



21.4144, 0.6206, 0.3193



21.4198, 0.6206, 0.3193



72.1576, 0.2874, 0.5546



18.0346, 0.3269, 0.3252



11.2063, 0.6175, 0.3175



1.1041, 0.5899, 0.3023

Previews

White Background



This preview shows how the Yxy color 21.5161, 0.2798, 0.1315 looks on a white background.

Color Contrast Check

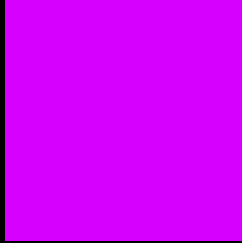
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.5161, 0.2798, 0.1315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

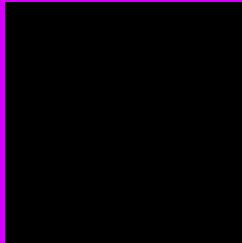
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.5161, 0.2798, 0.1315

Background



This preview shows how black text looks on a background with the Yxy color 21.5161, 0.2798, 0.1315.



This preview shows how white text looks on a background with the Yxy color 21.5161, 0.2798, 0.1315.

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

21.5161, 0.2798, 0.1315

Protanopia

22.3586, 0.1799, 0.1529

Deuteranopia

22.2721, 0.1834, 0.1801



Tritanopia

21.6452, 0.4355, 0.3200

Trichromacy



Original Color

21.5161, 0.2798, 0.1315



Protanomaly

15.9004, 0.1918, 0.1146



Deuteranomaly

14.2516, 0.1832, 0.1184



Tritanomaly

18.6575, 0.3735, 0.2154

Monochromacy



Original Color

21.5161, 0.2798, 0.1315



Achromatopsia

10.9462, 0.3127, 0.3290



Achromatomaly

10.7133, 0.2969, 0.1812

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5161, 0.2798, 0.1315 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(214, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(214, 0, 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(214, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 0, 255) }
```

Border

The CSS property to change the border of an element to Yxy 21.5161, 0.2798, 0.1315 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(214, 0, 255) }
```

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

```
.border{ border-color:rgb(214, 0, 255) }
```

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

Here you see how a box with a 4 pixel rgb(214, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(214, 0,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5161, 0.2798, 0.1315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 0, 255) }
```

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

```
.background{ background-color: rgb(214, 0,  
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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