

Converting Colors

$Y_{xy}(21.3630, 0.2801, 0.1364)$

Have a look what the booklet for
Yxy(21.3630, 0.2801, 0.1364)
contains.

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Color

Yxy(21.3748, 0.2801, 0.1364)

Conversions

Conversions Part 1

Format	Color
Hex	D11FF9
RGB	209, 31, 249
RGB Percent	82%, 12%, 98%
CMY	0.1802, 0.8789, 0.0235
CMYK	0.16, 0.88, 0.00, 0.02
HSL	289°, 95%, 55%
HSV	289°, 88%, 98%
XYZ	43.8936, 21.3748, 91.4384
YIQ	109.0740, 36.1100, 105.5340

Conversions

Conversions Part 2

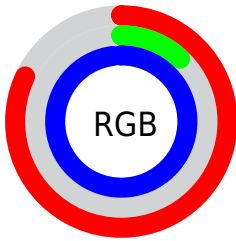
Format	Color
R _Y B	209, 31, 249
Decimal	13705209
CIE Lab	53.36, 87.52, -69.11
CIE LCh	53, 111.520, 321.705
Yxy	21.3748, 0.2801, 0.1364
Android (android.graphics.Color)	4291895289 (0xFFD11FF9)
YUV	109.0740, 68.9835, 87.6351
Hunter-Lab	46.2329, 88.5606, -84.8994

Details

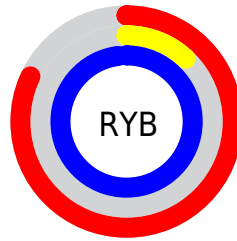
The Yxy color **21.3748, 0.2801, 0.1364** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **69.1858, 0.3095, 0.5833**, and the grayscale version is **15.0909, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.5832, 0.3192, 0.1914**, and **10.1511, 0.2657, 0.1237** is the 20% darker color. If you saturate the color by 10%, you get **19.8759, 0.2753, 0.1296**, and if you desaturate by 10%, it is **23.8839, 0.2850, 0.1476**.

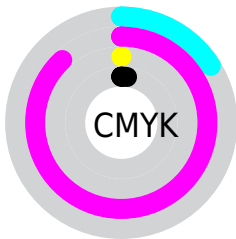
Distribution



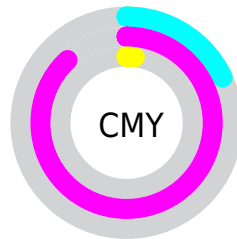
- Red (82%)
- Green (12%)
- Blue (98%)



- Red (82%)
- Yellow (12%)
- Blue (98%)



- Cyan (16%)
- Magenta (88%)
- Yellow (0%)
- Black (2%)




- Cyan (18%)
- Magenta (88%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.3748, 0.2801, 0.1364 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 21.3748, 0.2801, 0.1364 by changing the saturation by 10% instead.


 21.3748, 0.2801,
0.1364


 21.3748, 0.2801,
0.1364


259.2637, 0.3029,
0.2224


 13.3982, 0.2730,
0.1188


 45.7105, 0.2896,
0.1648


 7.7033, 0.2632,
0.0985


 62.8384, 0.2928,
0.1764


 3.9057, 0.2496,
0.0754


 83.7855, 0.2954,
0.1865

 1.6210, 0.2299,
0.0500

 108.9363, 0.2975,
0.1954

 0.3717, 0.2019,
0.0197

 138.6751, 0.2992,
0.2033

 0.0000, 0.1586,
0.0000

173.3864, 0.3007,

 0.0000, 0.0826,

0.2104

0.0000

213.4544, 0.3019,
0.2167

■ 0.0000, 0.0000,
0.0000

■ 21.3748, 0.2801,
0.1364

■ 21.3748, 0.2801,
0.1364

■ 19.8759, 0.2753,
0.1296

■ 23.8839, 0.2850,
0.1476

■ 19.5916, 0.2741,
0.1284

■ 27.6084, 0.2899,
0.1634

■ 32.7062, 0.2946,
0.1833

■ 39.3108, 0.2989,
0.2064

■ 47.5397, 0.3027,
0.2317

■ 57.4986, 0.3061,
0.2580

■ 69.2844, 0.3089,
0.2845

■ 82.9866, 0.3113,
0.3102

■ 98.6888, 0.3131,
0.3348

Harmonies

Analogous

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



21.3748, 0.1477, 0.1055



21.3748, 0.2801, 0.1364



21.3748, 0.4850, 0.1988

Triad

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



21.3748, 0.2801, 0.1364



21.3748, 0.5266, 0.4734



21.3748, 0.0677, 0.2555

Complementary

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



21.3748, 0.2801, 0.1364



69.1858, 0.3095, 0.5833

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.



21.3748, 0.1227, 0.5143



21.3748, 0.2801, 0.1364



21.3748, 0.3784, 0.6216

Square

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



21.3748, 0.2801, 0.1364



21.3748, 0.6361, 0.3586



21.3748, 0.2371, 0.7052



21.3748, 0.0609, 0.1411

Rectangle

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



21.3748, 0.2801, 0.1364



21.3748, 0.6048, 0.2501



21.3748, 0.2371, 0.7052



21.3748, 0.0791, 0.3253

Sweetspot

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



21.3757, 0.2801, 0.1364



62.5152, 0.3066, 0.2622



11.6186, 0.1627, 0.0950



12.5324, 0.3055, 0.2530



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.



21.3757, 0.2801, 0.1364



20.6720, 0.2740, 0.1283



24.4065, 0.4066, 0.2077



17.3544, 0.3109, 0.3054



10.5443, 0.2749, 0.1288



1.0169, 0.2807, 0.1320

Inverse Universe

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



21.5668, 0.5795, 0.3072



21.4629, 0.6156, 0.3165



68.9628, 0.2845, 0.5341



17.2771, 0.3265, 0.3247



10.8993, 0.6121, 0.3145



1.0231, 0.5815, 0.2977

Previews

White Background



This preview shows how the Yxy color 21.3748, 0.2801, 0.1364 looks on a white background.

Color Contrast Check

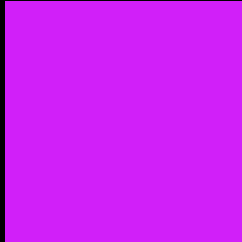
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3748, 0.2801, 0.1364 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

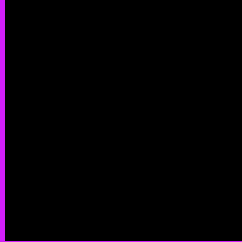
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.3748, 0.2801, 0.1364

Background



This preview shows how black text looks on a background with the Yxy color 21.3748, 0.2801, 0.1364.



This preview shows how white text looks on a background with the Yxy color 21.3748, 0.2801, 0.1364.

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

21.3748, 0.2801, 0.1364

Protanopia

21.9926, 0.1784, 0.1512

Deuteranopia

21.6784, 0.1828, 0.1780



Tritanopia

21.1442, 0.4291, 0.3184

Trichromacy



Original Color

21.3748, 0.2801, 0.1364



Protanomaly

17.0008, 0.1911, 0.1230



Deuteranomaly

15.6563, 0.1857, 0.1306



Tritanomaly

19.4057, 0.3694, 0.2254

Monochromacy



Original Color

21.3748, 0.2801, 0.1364



Achromatopsia

15.2926, 0.3127, 0.3290



Achromatomaly

14.4427, 0.2980, 0.2053

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3748, 0.2801, 0.1364 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(209, 31, 249)` looks like.

```
.text, #text, p{  
    color:rgb(209, 31, 249)  
}
```

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(209, 31, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 31, 249) }
```

Border

The CSS property to change the border of an element to Yxy 21.3748, 0.2801, 0.1364 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(209, 31, 249) }
```

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

```
.border{ border-color:rgb(209, 31, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 31, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 31, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 31, 249);  
box-shadow:4px 4px 4px 4px rgb(209, 31,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3748, 0.2801, 0.1364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 31, 249) }
```

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

```
.background{ background-color: rgb(209, 31,  
249) }
```

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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