

Converting Colors

$Y_{xy}(21.0462, 0.2932, 0.1389)$

Have a look what the booklet for
Yxy(21.0462, 0.2932, 0.1389)
contains.

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Color

Yxy(21.0097, 0.2935, 0.1391)

Conversions

Conversions Part 1

Format	Color
Hex	D800F2
RGB	216, 0, 242
RGB Percent	85%, 0%, 95%
CMY	0.1531, 0.9981, 0.0511
CMYK	0.11, 1.00, 0.00, 0.05
HSL	294°, 100%, 48%
HSV	294°, 100%, 95%
XYZ	44.3303, 21.0097, 85.7002
YIQ	92.1720, 51.0540, 121.0540

Conversions

Conversions Part 2

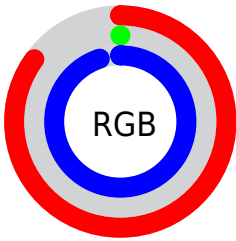
Format	Color
R _{YB}	216, 0, 242
Decimal	14156018
CIE _{Lab}	52.96, 90.51, -65.76
CIE _{LCh}	53, 111.881, 324.000
Yxy	21.0097, 0.2935, 0.1391
Android (android.graphics.Color)	4292346098 (0xFFD800F2)
YUV	92.1720, 73.8652, 108.5972
Hunter-Lab	45.8363, 92.4215, -78.7691

Details

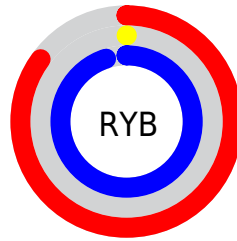
The Yxy color **21.0097, 0.2935, 0.1391** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light saturated magenta. A complement of this color would be **63.7147, 0.3022, 0.5982**, and the grayscale version is **10.6276, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2154, 0.3194, 0.1867**, and **10.5707, 0.2816, 0.1325** is the 20% darker color. If you saturate the color by 10%, you get **20.9919, 0.2934, 0.1390**, and if you desaturate by 10%, it is **22.0822, 0.2963, 0.1440**.

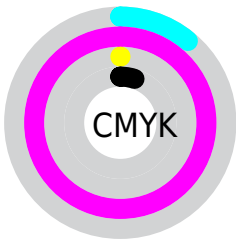
Distribution



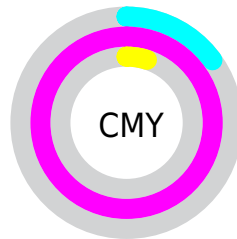
- Red (85%)
- Green (0%)
- Blue (95%)



- Red (85%)
- Yellow (0%)
- Blue (95%)



- Cyan (11%)
- Magenta (100%)
- Yellow (0%)
- Black (5%)



- Cyan (15%)
- Magenta (100%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0097, 0.2935, 0.1391 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 21.0097, 0.2935, 0.1391 by changing the saturation by 10% instead.


 21.0097, 0.2935,
0.1391


 21.0097, 0.2935,
0.1391


257.3300, 0.3096,
0.2245

 13.1311, 0.2879,
0.1214


 45.1037, 0.3006,
0.1675

 7.5189, 0.2800,
0.1010


 62.0878, 0.3029,
0.1789

 3.7887, 0.2685,
0.0775


 82.8760, 0.3047,
0.1890

 1.5561, 0.2512,
0.0515

 107.8525, 0.3062,
0.1978

 0.3277, 0.2259,
0.0191

 137.4017, 0.3073,
0.2056

 0.0000, 0.1834,
0.0000

 171.9082, 0.3082,

 0.0000, 0.1047,

0.2126

0.0000

211.7561, 0.3090,
0.2188

■ 0.0000, 0.0000,
0.0000

■ 21.0097, 0.2935,
0.1391

■ 21.0097, 0.2935,
0.1391

■ 20.9919, 0.2934,
0.1390

■ 22.0822, 0.2963,
0.1440

■ 23.9938, 0.2990,
0.1527

■ 26.9956, 0.3017,
0.1659

■ 31.2402, 0.3042,
0.1834

■ 36.8557, 0.3064,
0.2045

■ 43.9543, 0.3083,
0.2281

■ 52.6367, 0.3098,
0.2534

■ 62.9947, 0.3111,
0.2792

■ 75.1130, 0.3120,
0.3048

Harmonies

Analogous

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



21.0097, 0.1540, 0.1057



21.0097, 0.2935, 0.1391



21.0097, 0.5025, 0.2037

Triad

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



21.0097, 0.2935, 0.1391



21.0097, 0.5162, 0.4838



21.0097, 0.0647, 0.2411

Complementary

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



21.0097, 0.2935, 0.1391



63.7147, 0.3022, 0.5982

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.



21.0097, 0.1146, 0.4924



21.0097, 0.2935, 0.1391



21.0097, 0.3660, 0.6340

Square

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



21.0097, 0.2935, 0.1391



21.0097, 0.6332, 0.3658



21.0097, 0.2257, 0.7058



21.0097, 0.0607, 0.1352

Rectangle

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



21.0097, 0.2935, 0.1391



21.0097, 0.6169, 0.2551



21.0097, 0.2257, 0.7058



21.0097, 0.0746, 0.3070

Sweetspot

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



21.0106, 0.2935, 0.1391



58.9899, 0.3098, 0.2526



7.2746, 0.1521, 0.0672



11.6979, 0.3092, 0.2418



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.



21.0106, 0.2935, 0.1391



23.6354, 0.2934, 0.1390



21.0657, 0.4495, 0.2251



15.9399, 0.3121, 0.3056



11.3166, 0.2939, 0.1393



0.9660, 0.2977, 0.1414

Inverse Universe

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



18.9597, 0.6292, 0.3241



21.3414, 0.6300, 0.3244



64.2817, 0.2834, 0.5401



15.7865, 0.3276, 0.3265



10.1908, 0.6272, 0.3229



0.8569, 0.6011, 0.3085

Previews

White Background



This preview shows how the Yxy color 21.0097, 0.2935, 0.1391 looks on a white background.

Color Contrast Check

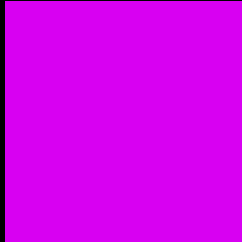
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0097, 0.2935, 0.1391 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

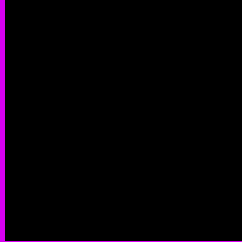
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.0097, 0.2935, 0.1391

Background



This preview shows how black text looks on a background with the Yxy color 21.0097, 0.2935, 0.1391.



This preview shows how white text looks on a background with the Yxy color 21.0097, 0.2935, 0.1391.

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

21.0097, 0.2935, 0.1391

Protanopia

21.9754, 0.1783, 0.1512

Deuteranopia

21.8738, 0.1868, 0.1809



Tritanopia

21.1298, 0.4526, 0.3217

Trichromacy



Original Color

21.0097, 0.2935, 0.1391



Protanomaly

15.2034, 0.1909, 0.1147



Deuteranomaly

14.7224, 0.1972, 0.1265



Tritanomaly

18.5836, 0.3933, 0.2248

Monochromacy



Original Color

21.0097, 0.2935, 0.1391



Achromatopsia

10.7023, 0.3127, 0.3290



Achromatomaly

10.5529, 0.3038, 0.1870

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0097, 0.2935, 0.1391 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, 0, 242)` looks like.

```
.text, #text, p{  
    color:rgb(216, 0, 242)  
}
```

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, 0, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 0, 242) }
```

Border

The CSS property to change the border of an element to Yxy 21.0097, 0.2935, 0.1391 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, 0, 242) }
```

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

```
.border{ border-color:rgb(216, 0, 242) }
```

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

Here you see how a box with a 4 pixel rgb(216, 0, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 0, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 0, 242);  
box-shadow:4px 4px 4px 4px rgb(216, 0,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0097, 0.2935, 0.1391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 0, 242) }
```

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

```
.background{ background-color: rgb(216, 0,  
242) }
```

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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