

Converting Colors

$Y_{xy}(20.9740, 0.2827, 0.1331)$

Have a look what the booklet for
Yxy(20.9740, 0.2827, 0.1331)
contains.

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Color

Yxy(21.0483, 0.2831, 0.1333)

Conversions

Conversions Part 1

Format	Color
Hex	D500FA
RGB	213, 0, 250
RGB Percent	84%, 0%, 98%
CMY	0.1646, 1.0000, 0.0196
CMYK	0.15, 1.00, 0.00, 0.02
HSL	291°, 100%, 49%
HSV	291°, 100%, 98%
XYZ	44.7020, 21.0483, 92.1514
YIQ	92.1870, 46.6980, 122.9060

Conversions

Conversions Part 2

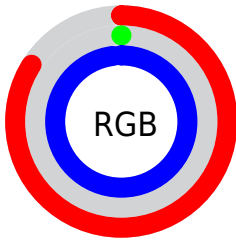
Format	Color
R_{YB}	213, 0, 250
Decimal	13959418
CIE _{Lab}	53.00, 91.41, -70.21
CIE _{LCh}	53, 115.264, 322.473
Yxy	21.0483, 0.2831, 0.1333
Android (android.graphics.Color)	4292149498 (0xFFD500FA)
YUV	92.1870, 77.8018, 105.9530
Hunter-Lab	45.8784, 93.6355, -86.9750

Details

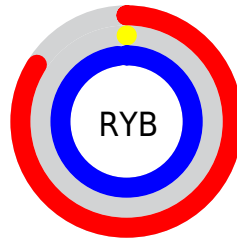
The Yxy color **21.0483, 0.2831, 0.1333** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **68.7660, 0.3035, 0.5972**, and the grayscale version is **10.5597, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0294, 0.3194, 0.1861**, and **10.4812, 0.2685, 0.1253** is the 20% darker color. If you saturate the color by 10%, you get **21.0528, 0.2831, 0.1333**, and if you desaturate by 10%, it is **22.3074, 0.2870, 0.1388**.

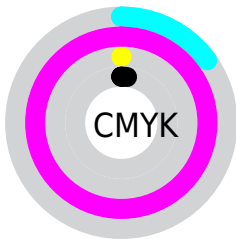
Distribution



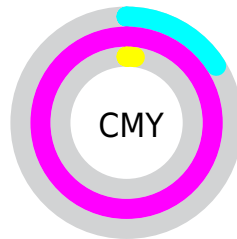
- Red (84%)
- Green (0%)
- Blue (98%)



- Red (84%)
- Yellow (0%)
- Blue (98%)



- Cyan (15%)
- Magenta (100%)
- Yellow (0%)
- Black (2%)





- Cyan (16%)
- Magenta (100%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0483, 0.2831, 0.1333 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 21.0483, 0.2831, 0.1333 by changing the saturation by 10% instead.


 21.0483, 0.2831,
0.1333


 21.0483, 0.2831,
0.1333

257.5351, 0.3047,
0.2202


 13.1593, 0.2762,
0.1157


 45.1679, 0.2922,
0.1619

 7.5383, 0.2668,
0.0954


 62.1673, 0.2953,
0.1735

 3.8010, 0.2535,
0.0725


 82.9723, 0.2977,
0.1838

 1.5629, 0.2342,
0.0475

 107.9673, 0.2997,
0.1928

 0.3324, 0.2067,
0.0174

 137.5367, 0.3013,
0.2008

 0.0000, 0.1637,
0.0000

 172.0648, 0.3026,

 0.0000, 0.0920,

0.2080

0.0000

211.9362, 0.3037,
0.2144

■ 0.0000, 0.0000,
0.0000

■ 21.0483, 0.2831,
0.1333

■ 21.0483, 0.2831,
0.1333

■ 21.0528, 0.2831,
0.1333

■ 22.3074, 0.2870,
0.1388

■ 24.4654, 0.2909,
0.1481

■ 27.8013, 0.2948,
0.1621

■ 32.4813, 0.2984,
0.1803

■ 38.6449, 0.3018,
0.2021

■ 46.4142, 0.3048,
0.2264

■ 55.8984, 0.3074,
0.2521

■ 67.1971, 0.3096,
0.2784

■ 80.4025, 0.3113,
0.3042

Harmonies

Analogous

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



21.0483, 0.1460, 0.1015



21.0483, 0.2831, 0.1333



21.0483, 0.4963, 0.1969

Triad

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



21.0483, 0.2831, 0.1333



21.0483, 0.5244, 0.4756



21.0483, 0.0620, 0.2467

Complementary

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



21.0483, 0.2831, 0.1333



68.7660, 0.3035, 0.5972

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.



21.0483, 0.1140, 0.5137



21.0483, 0.2831, 0.1333



21.0483, 0.3701, 0.6299

Square

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



21.0483, 0.2831, 0.1333



21.0483, 0.6422, 0.3578



21.0483, 0.2271, 0.7190



21.0483, 0.0569, 0.1343

Rectangle

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



21.0483, 0.2831, 0.1333



21.0483, 0.6180, 0.2483



21.0483, 0.2271, 0.7190



21.0483, 0.0724, 0.3171

Sweetspot

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



21.0528, 0.2831, 0.1333



58.4371, 0.3074, 0.2521



8.2568, 0.1529, 0.0704



11.5640, 0.3064, 0.2411



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.



21.0528, 0.2831, 0.1333



22.0157, 0.2831, 0.1333



22.9511, 0.4365, 0.2178



17.3869, 0.3114, 0.3055



11.2166, 0.2837, 0.1337



1.0731, 0.2884, 0.1363

Inverse Universe

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



20.4580, 0.6230, 0.3206



21.3981, 0.6232, 0.3207



69.0696, 0.2861, 0.5501



17.2670, 0.3271, 0.3255



10.8639, 0.6201, 0.3190



1.0183, 0.5918, 0.3034

Previews

White Background



This preview shows how the Yxy color 21.0483, 0.2831, 0.1333 looks on a white background.

Color Contrast Check

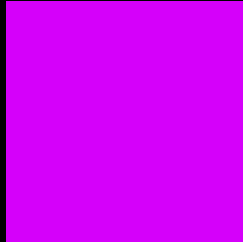
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0483, 0.2831, 0.1333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

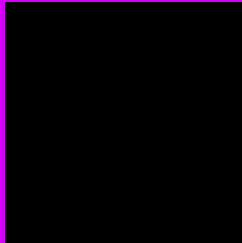
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.0483, 0.2831, 0.1333

Background



This preview shows how black text looks on a background with the Yxy color 21.0483, 0.2831, 0.1333.



This preview shows how white text looks on a background with the Yxy color 21.0483, 0.2831, 0.1333.

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

21.0483, 0.2831, 0.1333

Protanopia

21.9754, 0.1783, 0.1512

Deuteranopia

21.6784, 0.1828, 0.1780



Tritanopia

21.2246, 0.4398, 0.3201

Trichromacy



Original Color

21.0483, 0.2831, 0.1333



Protanomaly

15.3365, 0.1894, 0.1131



Deuteranomaly

13.8787, 0.1833, 0.1186



Tritanomaly

18.3314, 0.3784, 0.2169

Monochromacy



Original Color

21.0483, 0.2831, 0.1333



Achromatopsia

10.7023, 0.3127, 0.3290



Achromatomaly

10.5321, 0.2995, 0.1840

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0483, 0.2831, 0.1333 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(213, 0, 250)` looks like.

```
.text, #text, p{  
    color:rgb(213, 0, 250)  
}
```

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(213, 0, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 0, 250) }
```

Border

The CSS property to change the border of an element to Yxy 21.0483, 0.2831, 0.1333 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(213, 0, 250) }
```

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

```
.border{ border-color:rgb(213, 0, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 0, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 0, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 0, 250);  
box-shadow:4px 4px 4px 4px rgb(213, 0,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0483, 0.2831, 0.1333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 0, 250) }
```

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

```
.background{ background-color: rgb(213, 0,  
250) }
```

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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