

Converting Colors

$Y_{xy}(19.6580, 0.2821, 0.1331)$

Have a look what the booklet for
Yxy(19.6580, 0.2821, 0.1331)
contains.

Yxy(19.6580, 0.2821, 0.1331)	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(19.6580, 0.2821, 0.1331)

Conversions

Conversions Part 1

Format	Color
Hex	CE03F3
RGB	206, 3, 243
RGB Percent	81%, 1%, 95%
CMY	0.1921, 0.9883, 0.0472
CMYK	0.15, 0.99, 0.00, 0.05
HSL	291°, 98%, 48%
HSV	291°, 99%, 95%
XYZ	41.6643, 19.6580, 86.3711
YIQ	91.0570, 43.9480, 117.6760

Conversions

Conversions Part 2

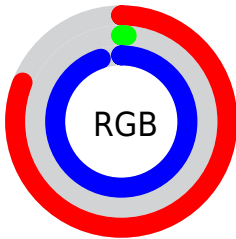
Format	Color
R _Y B	206, 3, 243
Decimal	13501427
CIE Lab	51.45, 89.10, -68.85
CIE LCh	51, 112.598, 322.304
Yxy	19.6580, 0.2821, 0.1331
Android (android.graphics.Color)	4291691507 (0xFFCE03F3)
YUV	91.0570, 74.9079, 100.8050
Hunter-Lab	44.3373, 90.1482, -84.4634

Details

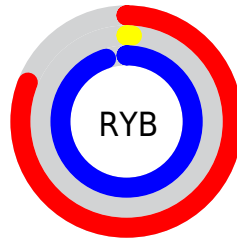
The Yxy color **19.6580, 0.2821, 0.1331** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **64.5415, 0.3041, 0.5961**, and the grayscale version is **10.2924, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.8457, 0.3195, 0.1854**, and **9.6562, 0.2670, 0.1244** is the 20% darker color. If you saturate the color by 10%, you get **19.5287, 0.2816, 0.1325**, and if you desaturate by 10%, it is **20.9326, 0.2862, 0.1390**.

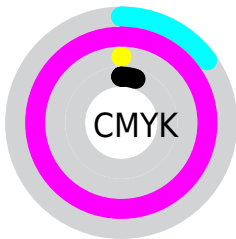
Distribution



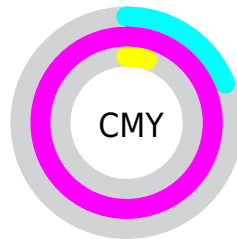
- Red (81%)
- Green (1%)
- Blue (95%)



- Red (81%)
- Yellow (1%)
- Blue (95%)



- Cyan (15%)
- Magenta (99%)
- Yellow (0%)
- Black (5%)





- Cyan (19%)
- Magenta (99%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.6580, 0.2821, 0.1331 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 19.6580, 0.2821, 0.1331 by changing the saturation by 10% instead.


 19.6580, 0.2821,
0.1331


 19.6580, 0.2821,
0.1331


250.0576, 0.3044,
0.2212


 12.1467, 0.2749,
0.1150


 42.8430, 0.2915,
0.1623


 6.8437, 0.2650,
0.0942


 59.2856, 0.2947,
0.1741


 3.3645, 0.2509,
0.0706


 79.4740, 0.2972,
0.1845

 1.3249, 0.2304,
0.0450

 103.7926, 0.2992,
0.1936

 0.1603, 0.2018,
0.0096

 132.6259, 0.3009,
0.2017

 0.0000, 0.1543,
0.0000

 166.3582, 0.3023,


 0.0000, 0.0576,


0.2089


0.0000


205.3740, 0.3034,
0.2154


 0.0000, 0.0000,
0.0000


 19.6580, 0.2821,
0.1331


 19.6580, 0.2821,
0.1331


 19.5287, 0.2816,
0.1325

 20.9326, 0.2862,
0.1390

 23.1087, 0.2902,
0.1491

 26.4092, 0.2942,
0.1638

 30.9853, 0.2981,
0.1827

 36.9645, 0.3016,
0.2049

■ 44.4588, 0.3047,
0.2295

■ 53.5691, 0.3074,
0.2554

■ 64.3873, 0.3096,
0.2816

■ 76.9983, 0.3114,
0.3073

Harmonies

Analogous

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



19.6580, 0.1456, 0.1015



19.6580, 0.2821, 0.1331



19.6580, 0.4950, 0.1965

Triad

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



19.6580, 0.2821, 0.1331



19.6580, 0.5252, 0.4748



19.6580, 0.0622, 0.2478

Complementary

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



19.6580, 0.2821, 0.1331



64.5415, 0.3041, 0.5961

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.



19.6580, 0.1146, 0.5154



19.6580, 0.2821, 0.1331



19.6580, 0.3710, 0.6290

Square

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



19.6580, 0.2821, 0.1331



19.6580, 0.6426, 0.3574



19.6580, 0.2279, 0.7189



19.6580, 0.0569, 0.1348

Rectangle

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



19.6580, 0.2821, 0.1331



19.6580, 0.6171, 0.2479



19.6580, 0.2279, 0.7189



19.6580, 0.0727, 0.3185

Sweetspot

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



19.6588, 0.2821, 0.1331



58.3542, 0.3071, 0.2520



8.2146, 0.1542, 0.0742



11.5439, 0.3059, 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.



19.6588, 0.2821, 0.1331



21.7789, 0.2815, 0.1324



21.7580, 0.4278, 0.2135



16.6315, 0.3113, 0.3055



10.7689, 0.2823, 0.1329



0.9806, 0.2874, 0.1357

Inverse Universe

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



19.2673, 0.6188, 0.3191



21.4082, 0.6220, 0.3200



64.7287, 0.2869, 0.5520



16.5241, 0.3269, 0.3254



10.5449, 0.6186, 0.3182



0.9389, 0.5882, 0.3014

Previews

White Background



This preview shows how the Yxy color 19.6580, 0.2821, 0.1331 looks on a white background.

Color Contrast Check

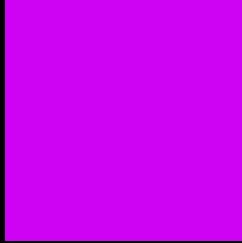
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.6580, 0.2821, 0.1331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

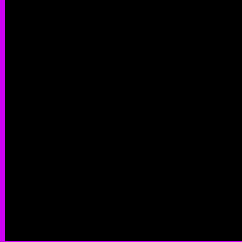
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.6580, 0.2821, 0.1331

Background



This preview shows how black text looks on a background with the Yxy color 19.6580, 0.2821, 0.1331.



This preview shows how white text looks on a background with the Yxy color 19.6580, 0.2821, 0.1331.

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

19.6580, 0.2821, 0.1331

Protanopia

20.4612, 0.1741, 0.1467

Deuteranopia

20.1956, 0.1831, 0.1791



Tritanopia

19.7085, 0.4377, 0.3197

Trichromacy



Original Color

19.6580, 0.2821, 0.1331



Protanomaly

13.6432, 0.1779, 0.1071



Deuteranomaly

13.0939, 0.1837, 0.1195



Tritanomaly

17.2145, 0.3770, 0.2184

Monochromacy



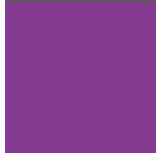
Original Color

19.6580, 0.2821, 0.1331



Achromatopsia

10.4616, 0.3127, 0.3290



Achromatomaly

10.1898, 0.2991, 0.1856

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6580, 0.2821, 0.1331 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(206, 3, 243)` looks like.

```
.text, #text, p{  
    color:rgb(206, 3, 243)  
}
```

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(206, 3, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 3, 243) }
```

Border

The CSS property to change the border of an element to Yxy 19.6580, 0.2821, 0.1331 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(206, 3, 243) }
```

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

```
.border{ border-color:rgb(206, 3, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 3, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 3, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 3, 243);  
box-shadow:4px 4px 4px 4px rgb(206, 3,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6580, 0.2821, 0.1331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 3, 243) }
```

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

```
.background{ background-color: rgb(206, 3,  
243) }
```

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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