

Converting Colors

$Y_{xy}(19.3630, 0.2955, 0.1402)$

Have a look what the booklet for
Yxy(19.3630, 0.2955, 0.1402)
contains.

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Color

Yxy(19.3815, 0.2957, 0.1403)

Conversions

Conversions Part 1

Format	Color
Hex	D100E8
RGB	209, 0, 232
RGB Percent	82%, 0%, 91%
CMY	0.1805, 0.9986, 0.0903
CMYK	0.10, 1.00, 0.00, 0.09
HSL	294°, 100%, 46%
HSV	294°, 100%, 91%
XYZ	40.8490, 19.3815, 77.9128
YIQ	88.9390, 50.0920, 116.4600

Conversions

Conversions Part 2

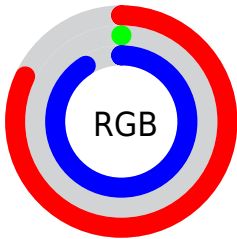
Format	Color
R_{YB}	209, 0, 232
Decimal	13697256
CIE _{Lab}	51.13, 87.97, -63.14
CIE _{LCh}	51, 108.287, 324.329
Yxy	19.3815, 0.2957, 0.1403
Android (android.graphics.Color)	4291887336 (0xFFD100E8)
YUV	88.9390, 70.5291, 105.2935
Hunter-Lab	44.0244, 88.5821, -74.1122

Details

The Yxy color **19.3815, 0.2957, 0.1403** 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 **57.8862, 0.3020, 0.5984**, and the grayscale version is **9.8538, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.8457, 0.3195, 0.1854**, and **9.4847, 0.2838, 0.1337** is the 20% darker color. If you saturate the color by 10%, you get **19.3697, 0.2957, 0.1402**, and if you desaturate by 10%, it is **20.3480, 0.2983, 0.1451**.

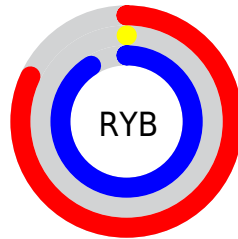
Distribution



Red (82%)

Green (0%)

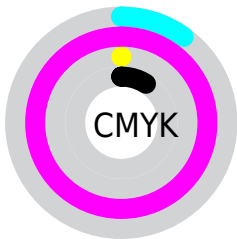
Blue (91%)



Red (82%)

Yellow (0%)

Blue (91%)

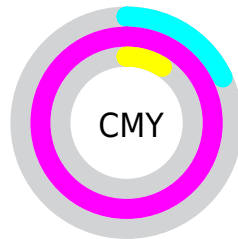


Cyan (10%)

Magenta (100%)

Yellow (0%)

Black (9%)



Cyan (18%)


Magenta (100%)


Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.3815, 0.2957, 0.1403 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 19.3815, 0.2957, 0.1403 by changing the saturation by 10% instead.


 19.3815, 0.2957,
0.1403


 19.3815, 0.2957,
0.1403


248.5468, 0.3107,
0.2266


 11.9463, 0.2902,
0.1221


 42.3778, 0.3025,
0.1693


 6.7071, 0.2823,
0.1009


 58.7076, 0.3047,
0.1809

 3.2796, 0.2706,
0.0765


 78.7710, 0.3064,
0.1910

 1.2794, 0.2526,
0.0494

 102.9525, 0.3077,
0.1999

 0.1252, 0.2272,
0.0088

 131.6365, 0.3087,
0.2078

 0.0000, 0.1788,
0.0000

 165.2072, 0.3095,

 0.0000, 0.0570,

0.2148

0.0000

204.0492, 0.3102,
0.2210

■ 0.0000, 0.0000,
0.0000

■ 19.3815, 0.2957,
0.1403

■ 19.3815, 0.2957,
0.1403

■ 19.3697, 0.2957,
0.1402

■ 20.3480, 0.2983,
0.1451

■ 22.0694, 0.3008,
0.1537

■ 24.7782, 0.3032,
0.1668

■ 28.6116, 0.3054,
0.1841

■ 33.6852, 0.3073,
0.2049

■ 40.1002, 0.3090,
0.2284

■ 47.9473, 0.3103,
0.2535

■ 57.3092, 0.3114,
0.2792

■ 68.2626, 0.3122,
0.3047

Harmonies

Analogous

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



19.3815, 0.1557, 0.1066



19.3815, 0.2957, 0.1403



19.3815, 0.5038, 0.2051

Triad

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



19.3815, 0.2957, 0.1403



19.3815, 0.5145, 0.4855



19.3815, 0.0653, 0.2399

Complementary

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



19.3815, 0.2957, 0.1403



57.8862, 0.3020, 0.5984

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.



19.3815, 0.1147, 0.4881



19.3815, 0.2957, 0.1403



19.3815, 0.3651, 0.6349

Square

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



19.3815, 0.2957, 0.1403



19.3815, 0.6320, 0.3678



19.3815, 0.2252, 0.7029



19.3815, 0.0614, 0.1353

Rectangle

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



19.3815, 0.2957, 0.1403



19.3815, 0.6168, 0.2565



19.3815, 0.2252, 0.7029



19.3815, 0.0750, 0.3049

Sweetspot

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



19.3823, 0.2957, 0.1403



59.1071, 0.3103, 0.2527



6.4604, 0.1517, 0.0658



11.7263, 0.3098, 0.2420



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.



19.3823, 0.2957, 0.1403



23.9879, 0.2955, 0.1402



19.0328, 0.4561, 0.2287



14.5387, 0.3122, 0.3057



10.7873, 0.2961, 0.1405



0.8183, 0.2999, 0.1426

Inverse Universe

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



17.2225, 0.6302, 0.3247



21.3316, 0.6312, 0.3251



58.4915, 0.2820, 0.5349



14.3911, 0.3277, 0.3267



9.5670, 0.6283, 0.3235



0.7149, 0.6010, 0.3084

Previews

White Background



This preview shows how the Yxy color 19.3815, 0.2957, 0.1403 looks on a white background.

Color Contrast Check

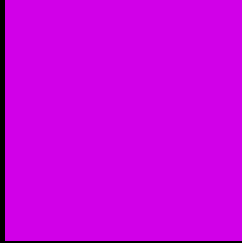
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.3815, 0.2957, 0.1403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

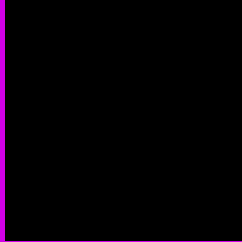
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.3815, 0.2957, 0.1403

Background



This preview shows how black text looks on a background with the Yxy color 19.3815, 0.2957, 0.1403.



This preview shows how white text looks on a background with the Yxy color 19.3815, 0.2957, 0.1403.

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

19.3815, 0.2957, 0.1403

Protanopia

20.1587, 0.1739, 0.1460

Deuteranopia

20.1225, 0.1887, 0.1829



Tritanopia

19.5517, 0.4544, 0.3215

Trichromacy



Original Color

19.3815, 0.2957, 0.1403



Protanomaly

13.2370, 0.1793, 0.1084



Deuteranomaly

13.7744, 0.2012, 0.1293



Tritanomaly

17.1072, 0.3945, 0.2251

Monochromacy



Original Color

19.3815, 0.2957, 0.1403



Achromatopsia

9.9899, 0.3127, 0.3290



Achromatomaly

9.8359, 0.3064, 0.1890

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.3815, 0.2957, 0.1403 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, 0, 232)` looks like.

```
.text, #text, p{  
    color:rgb(209, 0, 232)  
}
```

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, 0, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 0, 232) }
```

Border

The CSS property to change the border of an element to Yxy 19.3815, 0.2957, 0.1403 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, 0, 232) }
```

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

```
.border{ border-color:rgb(209, 0, 232) }
```

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

Here you see how a box with a 4 pixel rgb(209, 0, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 0, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 0, 232);  
box-shadow:4px 4px 4px 4px rgb(209, 0,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 19.3815, 0.2957, 0.1403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 0, 232) }
```

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

```
.background{ background-color: rgb(209, 0,  
232) }
```

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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