

Converting Colors

$Y_{xy}(19.3366, 0.3019, 0.1471)$

Have a look what the booklet for
Yxy(19.3366, 0.3019, 0.1471)
contains.

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Color

Yxy(19.3655, 0.3028, 0.1475)

Conversions

Conversions Part 1

Format	Color
Hex	D016E0
RGB	208, 22, 224
RGB Percent	82%, 9%, 88%
CMY	0.1843, 0.9137, 0.1215
CMYK	0.07, 0.90, 0.00, 0.12
HSL	295°, 82%, 48%
HSV	295°, 90%, 88%
XYZ	39.7551, 19.3655, 72.1710
YIQ	100.6420, 46.0140, 102.2540

Conversions

Conversions Part 2

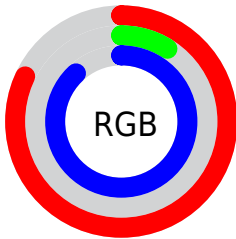
Format	Color
R _{YB}	208, 22, 224
Decimal	13637344
CIE _{Lab}	51.11, 84.65, -58.67
CIE _{LCh}	51, 102.995, 325.275
Yxy	19.3655, 0.3028, 0.1475
Android (android.graphics.Color)	4291827424 (0xFFD016E0)
YUV	100.6420, 60.8155, 94.1530
Hunter-Lab	44.0062, 84.2453, -66.4322

Details

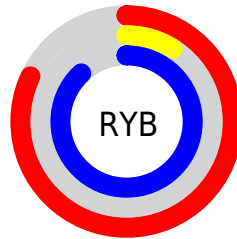
The Yxy color **19.3655, 0.3028, 0.1475** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **53.7872, 0.3031, 0.5906**, and the grayscale version is **12.7493, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5943, 0.3193, 0.1880**, and **9.1231, 0.2913, 0.1378** is the 20% darker color. If you saturate the color by 10%, you get **18.5413, 0.3008, 0.1431**, and if you desaturate by 10%, it is **20.8826, 0.3047, 0.1556**.

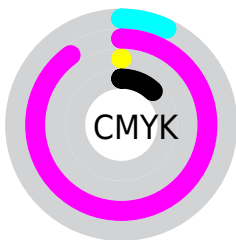
Distribution



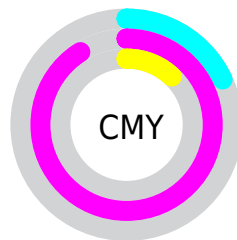
- Red (82%)
- Green (9%)
- Blue (88%)



- Red (82%)
- Yellow (9%)
- Blue (88%)



- Cyan (7%)
- Magenta (90%)
- Yellow (0%)
- Black (12%)





- Cyan (18%)
- Magenta (91%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.3655, 0.3028, 0.1475 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 19.3655, 0.3028, 0.1475 by changing the saturation by 10% instead.


 19.3655, 0.3028,
0.1475


 19.3655, 0.3028,
0.1475


248.4592, 0.3137,
0.2318


 11.9347, 0.2984,
0.1293


 42.3508, 0.3081,
0.1761


 6.6992, 0.2918,
0.1079


 58.6741, 0.3097,
0.1875

 3.2747, 0.2816,
0.0829


 78.7303, 0.3109,
0.1974

 1.2768, 0.2654,
0.0545

 102.9038, 0.3118,
0.2060

 0.1231, 0.2423,
0.0099

 131.5791, 0.3125,
0.2136

 0.0000, 0.1935,
0.0000

 165.1405, 0.3130,


 0.0000, 0.0362,


0.2204


0.0000


203.9724, 0.3134,
0.2264


 0.0000, 0.0000,
0.0000


 19.3655, 0.3028,
0.1475


 19.3655, 0.3028,
0.1475


 18.5413, 0.3008,
0.1431

 20.8826, 0.3047,
0.1556

 23.3036, 0.3065,
0.1682

 26.7559, 0.3081,
0.1849

 31.3458, 0.3095,
0.2053

 37.1665, 0.3106,
0.2283

■ 44.3016, 0.3115,
0.2531

■ 52.8272, 0.3121,
0.2786

■ 62.8138, 0.3125,
0.3040

■ 74.3269, 0.3127,
0.3286

Harmonies

Analogous

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



19.3655, 0.1641, 0.1129



19.3655, 0.3028, 0.1475



19.3655, 0.5018, 0.2123

Triad

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



19.3655, 0.3028, 0.1475



19.3655, 0.5090, 0.4910



19.3655, 0.0713, 0.2405

Complementary

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



19.3655, 0.3028, 0.1475



53.7872, 0.3031, 0.5906

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.



19.3655, 0.1203, 0.4713



19.3655, 0.3028, 0.1475



19.3655, 0.3669, 0.6331

Square

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



19.3655, 0.3028, 0.1475



19.3655, 0.6203, 0.3750



19.3655, 0.2293, 0.6817



19.3655, 0.0675, 0.1402

Rectangle

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



19.3655, 0.3028, 0.1475



19.3655, 0.6076, 0.2636



19.3655, 0.2293, 0.6817



19.3655, 0.0811, 0.3014

Sweetspot

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



19.3664, 0.3028, 0.1475



62.6409, 0.3117, 0.2607



6.9930, 0.1566, 0.0755



12.6183, 0.3115, 0.2520



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.



19.3664, 0.3028, 0.1475



24.8469, 0.3007, 0.1430



18.3114, 0.4443, 0.2276



13.8775, 0.3125, 0.3058



10.8147, 0.3012, 0.1433



0.7662, 0.3044, 0.1450

Inverse Universe

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



16.5627, 0.6115, 0.3227



21.3112, 0.6337, 0.3264



54.5318, 0.2772, 0.5107



13.7181, 0.3280, 0.3272



9.2558, 0.6310, 0.3250



0.6478, 0.6070, 0.3118

Previews

White Background



This preview shows how the Yxy color 19.3655, 0.3028, 0.1475 looks on a white background.

Color Contrast Check

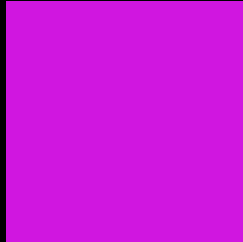
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.3655, 0.3028, 0.1475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

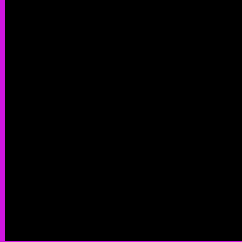
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.3655, 0.3028, 0.1475

Background



This preview shows how black text looks on a background with the Yxy color 19.3655, 0.3028, 0.1475.



This preview shows how white text looks on a background with the Yxy color 19.3655, 0.3028, 0.1475.

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

19.3655, 0.3028, 0.1475

Protanopia

19.8590, 0.1737, 0.1454

Deuteranopia

19.9027, 0.1955, 0.1899



Tritanopia

19.3267, 0.4587, 0.3203

Trichromacy



Original Color

19.3655, 0.3028, 0.1475



Protanomaly

14.0739, 0.1817, 0.1165



Deuteranomaly

15.0893, 0.2137, 0.1450



Tritanomaly

17.7695, 0.3979, 0.2346

Monochromacy



Original Color

19.3655, 0.3028, 0.1475



Achromatopsia

13.0136, 0.3127, 0.3290



Achromatomaly

12.2855, 0.3094, 0.2075

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.3655, 0.3028, 0.1475 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(208, 22, 224)` looks like.

```
.text, #text, p{  
    color:rgb(208, 22, 224)  
}
```

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(208, 22, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 22, 224) }
```

Border

The CSS property to change the border of an element to Yxy 19.3655, 0.3028, 0.1475 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(208, 22, 224) }
```

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

```
.border{ border-color:rgb(208, 22, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 22, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 22, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 22, 224);  
box-shadow:4px 4px 4px 4px rgb(208, 22,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 19.3655, 0.3028, 0.1475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 22, 224) }
```

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

```
.background{ background-color: rgb(208, 22,  
224) }
```

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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