

Converting Colors

$Y_{xy}(19.6129, 0.3356, 0.1623)$

Have a look what the booklet for
Yxy(19.6129, 0.3356, 0.1623)
contains.

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Color

Yxy(19.5651, 0.3353, 0.1621)

Conversions

Conversions Part 1

Format	Color
Hex	DB00CF
RGB	219, 0, 207
RGB Percent	86%, 0%, 81%
CMY	0.1412, 0.9992, 0.1883
CMYK	0.00, 1.00, 0.05, 0.14
HSL	303°, 100%, 43%
HSV	303°, 100%, 86%
XYZ	40.4699, 19.5651, 60.6627
YIQ	89.0790, 64.0770, 110.8050

Conversions

Conversions Part 2

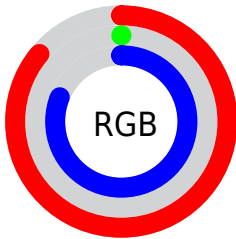
Format	Color
R_{YB}	219, 0, 207
Decimal	14352591
CIE _{Lab}	51.34, 85.89, -48.46
CIE _{LCh}	51, 98.619, 330.566
Yxy	19.5651, 0.3353, 0.1621
Android (android.graphics.Color)	4292542671 (0xFFDB00CF)
YUV	89.0790, 58.1351, 113.9407
Hunter-Lab	44.2325, 85.9096, -50.3507

Details

The Yxy color **19.5651, 0.3353, 0.1621** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **50.6825, 0.2992, 0.5971**, and the grayscale version is **9.8940, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.8457, 0.3195, 0.1854**, and **9.6379, 0.3321, 0.1603** is the 20% darker color. If you saturate the color by 10%, you get **19.5609, 0.3353, 0.1621**, and if you desaturate by 10%, it is **20.1984, 0.3335, 0.1647**.

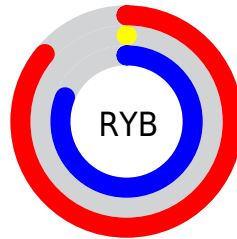
Distribution



Red (86%)

Green (0%)

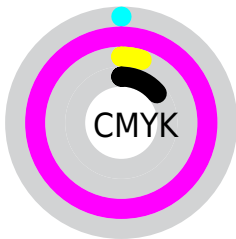
Blue (81%)



Red (86%)

Yellow (0%)

Blue (81%)

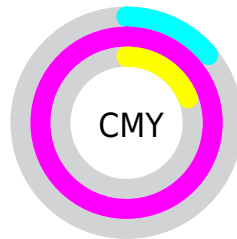


Cyan (0%)

Magenta (100%)

Yellow (5%)

Black (14%)



Cyan (14%)


Magenta (100%)


Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.5651, 0.3353, 0.1621 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 19.5651, 0.3353, 0.1621 by changing the saturation by 10% instead.


 19.5651, 0.3353,
0.1621


 19.5651, 0.3353,
0.1621


249.5509, 0.3282,
0.2414


 12.0793, 0.3356,
0.1443


 42.6868, 0.3338,
0.1896


 6.7977, 0.3352,
0.1229


 59.0916, 0.3329,
0.2003


 3.3359, 0.3331,
0.0972


 79.2381, 0.3320,
0.2096

 1.3095, 0.3275,
0.0667

 103.5107, 0.3311,
0.2176

 0.1486, 0.3200,
0.0151

 132.2939, 0.3303,
0.2247

 0.0000, 0.2843,
0.0000

 165.9721, 0.3295,

 0.0000, 0.1040,

0.2309

0.0000

204.9297, 0.3288,
0.2365

■ 0.0000, 0.0000,
0.0000

■ 19.5651, 0.3353,
0.1621

■ 19.5651, 0.3353,
0.1621

■ 19.5609, 0.3353,
0.1621

■ 20.1984, 0.3335,
0.1647

■ 21.4818, 0.3315,
0.1709

■ 23.6251, 0.3293,
0.1815

■ 26.7473, 0.3269,
0.1963

■ 30.9485, 0.3244,
0.2147

■ 36.3164, 0.3218,
0.2358

■ 42.9297, 0.3193,
0.2587

■ 50.8605, 0.3169,
0.2824

■ 60.1751, 0.3147,
0.3061

Harmonies

Analogous

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



19.5651, 0.1873, 0.1222



19.5651, 0.3353, 0.1621



19.5651, 0.5258, 0.2300

Triad

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



19.5651, 0.3353, 0.1621



19.5651, 0.4848, 0.5152



19.5651, 0.0742, 0.2206

Complementary

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



19.5651, 0.3353, 0.1621



50.6825, 0.2992, 0.5971

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.



19.5651, 0.1145, 0.4184



19.5651, 0.3353, 0.1621



19.5651, 0.3469, 0.6448

Square

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



19.5651, 0.3353, 0.1621



19.5651, 0.5994, 0.3968



19.5651, 0.2145, 0.6464



19.5651, 0.0754, 0.1373

Rectangle

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



19.5651, 0.3353, 0.1621



19.5651, 0.6127, 0.2815



19.5651, 0.2145, 0.6464



19.5651, 0.0818, 0.2714

Sweetspot

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



19.5660, 0.3353, 0.1621



60.2528, 0.3194, 0.2578



5.1903, 0.1513, 0.0607



12.0052, 0.3205, 0.2480



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.



19.5660, 0.3353, 0.1621



27.6115, 0.3354, 0.1622



15.9563, 0.5194, 0.2635



13.2619, 0.3146, 0.3072



11.6062, 0.3351, 0.1620



0.7558, 0.3326, 0.1606

Inverse Universe

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



19.5660, 0.3353, 0.1621



27.6115, 0.3354, 0.1622



52.0245, 0.2681, 0.4851



13.2619, 0.3146, 0.3072



11.6062, 0.3351, 0.1620



0.7558, 0.3326, 0.1606

Previews

White Background



This preview shows how the Yxy color 19.5651, 0.3353, 0.1621 looks on a white background.

Color Contrast Check

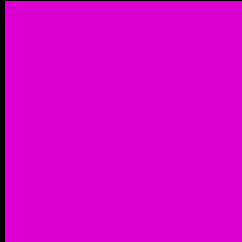
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.5651, 0.3353, 0.1621 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

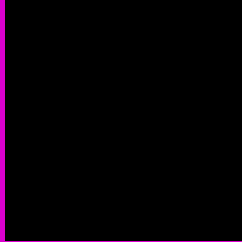
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.5651, 0.3353, 0.1621

Background



This preview shows how black text looks on a background with the Yxy color 19.5651, 0.3353, 0.1621.



This preview shows how white text looks on a background with the Yxy color 19.5651, 0.3353, 0.1621.

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

19.5651, 0.3353, 0.1621

Protanopia

20.5248, 0.1739, 0.1460

Deuteranopia

20.2888, 0.2189, 0.2137



Tritanopia

19.8221, 0.4959, 0.3239

Trichromacy



Original Color

19.5651, 0.3353, 0.1621



Protanomaly

12.9305, 0.1834, 0.1127



Deuteranomaly

14.7838, 0.2456, 0.1583



Tritanomaly

17.9166, 0.4405, 0.2457

Monochromacy



Original Color

19.5651, 0.3353, 0.1621



Achromatopsia

9.9899, 0.3127, 0.3290



Achromatomaly

9.8264, 0.3254, 0.2026

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.5651, 0.3353, 0.1621 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(219, 0, 207)` looks like.

```
.text, #text, p{  
  color:rgb(219, 0, 207)  
}
```

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(219, 0, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 207) }
```

Border

The CSS property to change the border of an element to Yxy 19.5651, 0.3353, 0.1621 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(219, 0, 207) }
```

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

```
.border{ border-color:rgb(219, 0, 207) }
```

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

Here you see how a box with a 4 pixel rgb(219, 0, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 207);  
box-shadow:4px 4px 4px 4px rgb(219, 0,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 19.5651, 0.3353, 0.1621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 0, 207) }
```

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

```
.background{ background-color: rgb(219, 0,  
207) }
```

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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