

Converting Colors

$Yxy(19.5686, 0.3198, 0.1536)$

Have a look what the booklet for
Yxy(19.5686, 0.3198, 0.1536)
contains.

Yxy(19.6304, 0.3198, 0.1536)	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(19.6304, 0.3198, 0.1536)

Conversions

Conversions Part 1

Format	Color
Hex	D801D9
RGB	216, 1, 217
RGB Percent	85%, 0%, 85%
CMY	0.1527, 0.9980, 0.1489
CMYK	0.00, 1.00, 0.00, 0.15
HSL	300°, 100%, 43%
HSV	300°, 100%, 85%
XYZ	40.8711, 19.6304, 67.3006
YIQ	89.9090, 58.8040, 112.7560

Conversions

Conversions Part 2

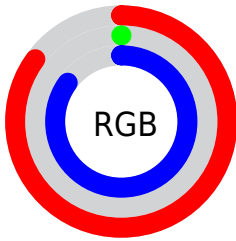
Format	Color
R_{YB}	216, 1, 217
Decimal	14156249
CIE _{Lab}	51.42, 86.81, -54.13
CIE _{LCh}	51, 102.300, 328.053
Yxy	19.6304, 0.3198, 0.1536
Android (android.graphics.Color)	4292346329 (0xFFD801D9)
YUV	89.9090, 62.6559, 110.5818
Hunter-Lab	44.3062, 87.1249, -59.0464

Details

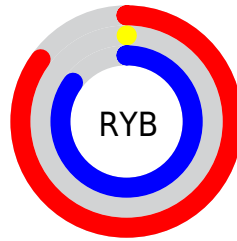
The Yxy color **19.6304, 0.3198, 0.1536** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **49.6517, 0.3001, 0.5998**, and the grayscale version is **9.9892, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.8457, 0.3195, 0.1854**, and **9.6411, 0.3133, 0.1499** is the 20% darker color. If you saturate the color by 10%, you get **19.6198, 0.3198, 0.1535**, and if you desaturate by 10%, it is **20.2171, 0.3198, 0.1570**.

Distribution



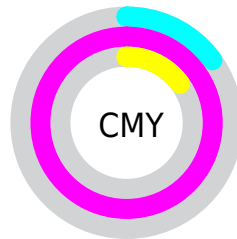
- Red (85%)
- Green (0%)
- Blue (85%)



- Red (85%)
- Yellow (0%)
- Blue (85%)



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





- Cyan (15%)
- Magenta (100%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.6304, 0.3198, 0.1536 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 19.6304, 0.3198, 0.1536 by changing the saturation by 10% instead.


 19.6304, 0.3198,
0.1536


 19.6304, 0.3198,
0.1536


249.9072, 0.3215,
0.2357


 12.1267, 0.3177,
0.1356


 42.7966, 0.3216,
0.1817


 6.8300, 0.3142,
0.1143


 59.2280, 0.3220,
0.1928

 3.3560, 0.3080,
0.0890


 79.4039, 0.3221,
0.2024

 1.3203, 0.2969,
0.0599

 103.7089, 0.3221,
0.2108

 0.1568, 0.2806,
0.0136

 132.5273, 0.3220,
0.2181

 0.0000, 0.2380,
0.0000

 166.2436, 0.3218,

 0.0000, 0.0893,

0.2247


0.0000


205.2421, 0.3217,
0.2305

 0.0000, 0.0000,
0.0000


 19.6304, 0.3198,
0.1536


 19.6304, 0.3198,
0.1536

 19.6198, 0.3198,
0.1535

 20.2171, 0.3198,
0.1570

 21.4452, 0.3196,
0.1639

 23.5171, 0.3192,
0.1751

 26.5488, 0.3186,
0.1904

 30.6378, 0.3178,
0.2095

■ 35.8699, 0.3169,
0.2314

■ 42.3220, 0.3159,
0.2553

■ 50.0645, 0.3148,
0.2802

■ 59.1621, 0.3138,
0.3052

Harmonies

Analogous

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



19.6304, 0.1748, 0.1161



19.6304, 0.3198, 0.1536



19.6304, 0.5175, 0.2204

Triad

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



19.6304, 0.3198, 0.1536



19.6304, 0.4962, 0.5038



19.6304, 0.0709, 0.2278

Complementary

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



19.6304, 0.3198, 0.1536



49.6517, 0.3001, 0.5998

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.



19.6304, 0.1149, 0.4439



19.6304, 0.3198, 0.1536



19.6304, 0.3558, 0.6442

Square

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



19.6304, 0.3198, 0.1536



19.6304, 0.6119, 0.3856



19.6304, 0.2194, 0.6694



19.6304, 0.0700, 0.1367

Rectangle

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



19.6304, 0.3198, 0.1536



19.6304, 0.6143, 0.2718



19.6304, 0.2194, 0.6694



19.6304, 0.0794, 0.2837

Sweetspot

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



19.6313, 0.3198, 0.1536



60.4555, 0.3160, 0.2541



5.1042, 0.1503, 0.0610



12.0546, 0.3164, 0.2438



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.



19.6313, 0.3198, 0.1536



28.2651, 0.3198, 0.1535



15.9458, 0.4905, 0.2477



13.2718, 0.3137, 0.3060



11.8744, 0.3198, 0.1535



0.7703, 0.3200, 0.1537

Inverse Universe

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



14.7707, 0.6393, 0.3298



21.2625, 0.6398, 0.3298



50.6677, 0.2744, 0.5077



13.0525, 0.3291, 0.3289



8.9316, 0.6396, 0.3297



0.5790, 0.6380, 0.3288

Previews

White Background



This preview shows how the Yxy color 19.6304, 0.3198, 0.1536 looks on a white background.

Color Contrast Check

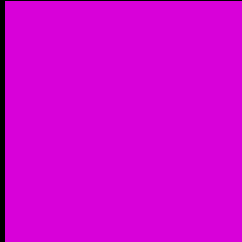
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.6304, 0.3198, 0.1536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

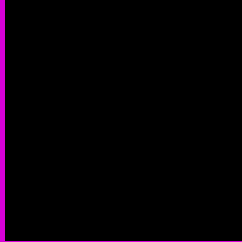
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.6304, 0.3198, 0.1536

Background



This preview shows how black text looks on a background with the Yxy color 19.6304, 0.3198, 0.1536.



This preview shows how white text looks on a background with the Yxy color 19.6304, 0.3198, 0.1536.

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

19.6304, 0.3198, 0.1536

Protanopia

20.5248, 0.1739, 0.1460

Deuteranopia

20.4433, 0.2069, 0.2016



Tritanopia

19.8089, 0.4798, 0.3223

Trichromacy



Original Color

19.6304, 0.3198, 0.1536



Protanomaly

13.2613, 0.1820, 0.1117



Deuteranomaly

14.7007, 0.2295, 0.1478



Tritanomaly

17.7099, 0.4226, 0.2371

Monochromacy



Original Color

19.6304, 0.3198, 0.1536



Achromatopsia

10.2242, 0.3127, 0.3290



Achromatomaly

9.9381, 0.3189, 0.1973

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6304, 0.3198, 0.1536 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(216, 1, 217)` looks like.

```
.text, #text, p{  
    color:rgb(216, 1, 217)  
}
```

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(216, 1, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 1, 217) }
```

Border

The CSS property to change the border of an element to Yxy 19.6304, 0.3198, 0.1536 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(216, 1, 217) }
```

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

```
.border{ border-color:rgb(216, 1, 217) }
```

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

Here you see how a box with a 4 pixel rgb(216, 1, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 1, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 1, 217);  
box-shadow:4px 4px 4px 4px rgb(216, 1,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6304, 0.3198, 0.1536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 1, 217) }
```

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

```
.background{ background-color: rgb(216, 1,  
217) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

[@ConvertingColor](#)