

Converting Colors

$Yxy(19.4780, 0.3391, 0.1642)$

Have a look what the booklet for
Yxy(19.4780, 0.3391, 0.1642)
contains.

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Color

Yxy(19.4197, 0.3391, 0.1642)

Conversions

Conversions Part 1

Format	Color
Hex	DB00CC
RGB	219, 0, 204
RGB Percent	86%, 0%, 80%
CMY	0.1413, 0.9990, 0.2001
CMYK	0.00, 1.00, 0.07, 0.14
HSL	304°, 100%, 43%
HSV	304°, 100%, 86%
XYZ	40.1049, 19.4197, 58.7440
YIQ	88.7370, 65.0400, 109.8720

Conversions

Conversions Part 2

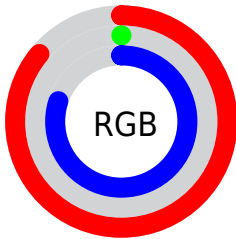
Format	Color
R_{YB}	219, 0, 204
Decimal	14352588
CIE _{Lab}	51.17, 85.48, -47.00
CIE _{LCh}	51, 97.544, 331.196
Yxy	19.4197, 0.3391, 0.1642
Android (android.graphics.Color)	4292542668 (0xFFDB00CC)
YUV	88.7370, 56.8247, 114.2407
Hunter-Lab	44.0678, 85.3293, -48.1883

Details

The Yxy color **19.4197, 0.3391, 0.1642** 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 **50.6889, 0.2990, 0.5963**, and the grayscale version is **9.8234, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.8457, 0.3195, 0.1854**, and **9.5409, 0.3371, 0.1631** is the 20% darker color. If you saturate the color by 10%, you get **19.4143, 0.3391, 0.1642**, and if you desaturate by 10%, it is **20.0672, 0.3369, 0.1666**.

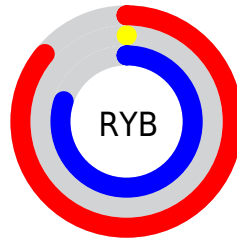
Distribution



Red (86%)

Green (0%)

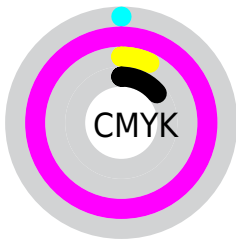
Blue (80%)



Red (86%)

Yellow (0%)

Blue (80%)

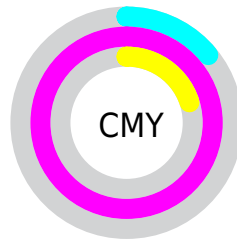


Cyan (0%)

Magenta (100%)

Yellow (7%)

Black (14%)



Cyan (14%)


Magenta (100%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.4197, 0.3391, 0.1642 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 19.4197, 0.3391, 0.1642 by changing the saturation by 10% instead.


 19.4197, 0.3391,
0.1642


 19.4197, 0.3391,
0.1642


248.7560, 0.3298,
0.2429


 11.9739, 0.3400,
0.1464

 42.4421, 0.3367,
0.1915


 6.7259, 0.3404,
0.1250


 58.7875, 0.3355,
0.2022

 3.2913, 0.3394,
0.0990


 78.8683, 0.3344,
0.2114

 1.2856, 0.3353,
0.0682

 103.0688, 0.3333,
0.2194

 0.1300, 0.3305,
0.0139

 131.7734, 0.3323,
0.2264

 0.0000, 0.2963,
0.0000

 165.3666, 0.3314,


 0.0000, 0.0941,


0.2325

0.0000

204.2327, 0.3305,
0.2380


 0.0000, 0.0000,
0.0000

 19.4197, 0.3391,
0.1642


 19.4197, 0.3391,
0.1642


 19.4143, 0.3391,
0.1642

 20.0672, 0.3369,
0.1666

 21.3658, 0.3344,
0.1727

 23.5249, 0.3317,
0.1832

 26.6633, 0.3289,
0.1979

 30.8810, 0.3259,
0.2161

■ 36.2659, 0.3230,
0.2370

■ 42.8965, 0.3201,
0.2596

■ 50.8449, 0.3174,
0.2831

■ 60.1775, 0.3149,
0.3065

Harmonies

Analogous

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



19.4197, 0.1905, 0.1237



19.4197, 0.3391, 0.1642



19.4197, 0.5277, 0.2324

Triad

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



19.4197, 0.3391, 0.1642



19.4197, 0.4820, 0.5180



19.4197, 0.0750, 0.2189

Complementary

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



19.4197, 0.3391, 0.1642



50.6889, 0.2990, 0.5963

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.



19.4197, 0.1143, 0.4125



19.4197, 0.3391, 0.1642



19.4197, 0.3445, 0.6444

Square

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



19.4197, 0.3391, 0.1642



19.4197, 0.5964, 0.3996



19.4197, 0.2131, 0.6405



19.4197, 0.0768, 0.1375

Rectangle

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



19.4197, 0.3391, 0.1642



19.4197, 0.6122, 0.2838



19.4197, 0.2131, 0.6405



19.4197, 0.0824, 0.2685

Sweetspot

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



19.4206, 0.3391, 0.1642



60.1867, 0.3202, 0.2588



5.2191, 0.1518, 0.0610



11.9891, 0.3214, 0.2490



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.



19.4206, 0.3391, 0.1642



27.4040, 0.3393, 0.1643



15.8892, 0.5264, 0.2674



13.2586, 0.3148, 0.3075



11.5209, 0.3388, 0.1640



0.7511, 0.3356, 0.1622

Inverse Universe

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



19.4206, 0.3391, 0.1642



27.4040, 0.3393, 0.1643



52.1139, 0.2665, 0.4792



13.2586, 0.3148, 0.3075



11.5209, 0.3388, 0.1640



0.7511, 0.3356, 0.1622

Previews

White Background



This preview shows how the Yxy color 19.4197, 0.3391, 0.1642 looks on a white background.

Color Contrast Check

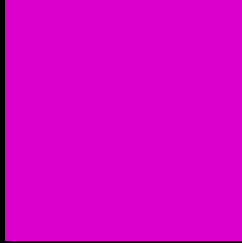
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.4197, 0.3391, 0.1642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

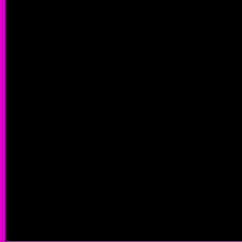
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.4197, 0.3391, 0.1642

Background



This preview shows how black text looks on a background with the Yxy color 19.4197, 0.3391, 0.1642.



This preview shows how white text looks on a background with the Yxy color 19.4197, 0.3391, 0.1642.

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

19.4197, 0.3391, 0.1642

Deuteranopia

20.0464, 0.2210, 0.2148

Tritanopia

19.6586, 0.4982, 0.3239

Trichromacy



Original Color

19.4197, 0.3391, 0.1642



Deuteranomaly

14.6685, 0.2500, 0.1606



Tritanomaly

17.7750, 0.4444, 0.2473

Monochromacy



Original Color

19.4197, 0.3391, 0.1642



Achromatopsia

9.9899, 0.3127, 0.3290



Achromatomaly

9.7992, 0.3270, 0.2039

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4197, 0.3391, 0.1642 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, 204)` looks like.

```
.text, #text, p{  
  color:rgb(219, 0, 204)  
}
```

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, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 204) }
```

Border

The CSS property to change the border of an element to Yxy 19.4197, 0.3391, 0.1642 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, 204) }
```

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

```
.border{ border-color:rgb(219, 0, 204) }
```

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, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 204);  
box-shadow:4px 4px 4px 4px rgb(219, 0,  
204) }
```

Background

The CSS property to change the background color of an element to Yxy 19.4197, 0.3391, 0.1642 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, 204) }
```

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

```
.background{ background-color: rgb(219, 0,  
204) }
```

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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