

Converting Colors

$Y_{xy}(21.3989, 0.3449, 0.1886)$

Have a look what the booklet for
Yxy(21.3989, 0.3449, 0.1886)
contains.

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Color

Yxy(21.3191, 0.3441, 0.1879)

Conversions

Conversions Part 1

Format	Color
Hex	D63BC2
RGB	214, 59, 194
RGB Percent	84%, 23%, 76%
CMY	0.1606, 0.7688, 0.2392
CMYK	0.00, 0.72, 0.09, 0.16
HSL	308°, 65%, 54%
HSV	308°, 72%, 84%
XYZ	39.0415, 21.3191, 53.0992
YIQ	120.7350, 49.0450, 74.8450

Conversions

Conversions Part 2

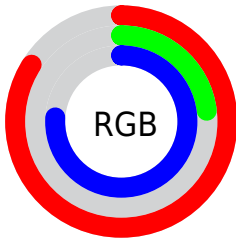
Format	Color
RYB	214, 59, 194
Decimal	14040002
CIELab	53.30, 72.98, -37.95
CIELCh	53, 82.259, 332.528
Yxy	21.3191, 0.3441, 0.1879
Android (android.graphics.Color)	4292230082 (0xFFD63BC2)
YUV	120.7350, 36.1196, 81.7934
Hunter-Lab	46.1726, 70.1297, -35.8636

Details

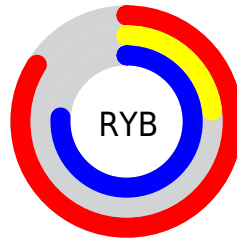
The Yxy color **21.3191, 0.3441, 0.1879** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **49.6048, 0.2951, 0.5368**, and the grayscale version is **18.8945, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.6580, 0.3222, 0.2053**, and **8.8620, 0.3465, 0.1682** is the 20% darker color. If you saturate the color by 10%, you get **19.4315, 0.3490, 0.1791**, and if you desaturate by 10%, it is **24.1121, 0.3391, 0.2009**.

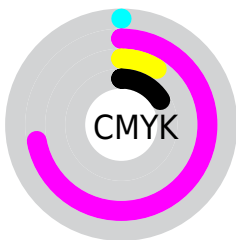
Distribution



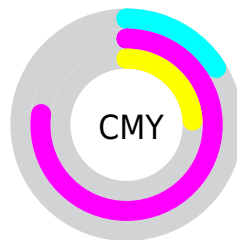
- Red (84%)
- Green (23%)
- Blue (76%)



- Red (84%)
- Yellow (23%)
- Blue (76%)



- Cyan (0%)
- Magenta (72%)
- Yellow (9%)
- Black (16%)





- Cyan (16%)
- Magenta (77%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.3191, 0.3441, 0.1879 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 21.3191, 0.3441, 0.1879 by changing the saturation by 10% instead.


 21.3191, 0.3441,
0.1879

 21.3191, 0.3441,
0.1879


258.9695, 0.3306,
0.2569

 13.3575, 0.3466,
0.1716


 45.6180, 0.3398,
0.2124


 7.6751, 0.3492,
0.1515


 62.7240, 0.3380,
0.2218


 3.8878, 0.3516,
0.1263


 83.6470, 0.3364,
0.2298

 1.6110, 0.3529,
0.0945

 108.7713, 0.3350,
0.2367

 0.3650, 0.3541,
0.0446

 138.4813, 0.3337,
0.2427

 0.0000, 0.3392,
0.0000


173.1614, 0.3326,


 0.0000, 0.0363,


0.2480


0.0000


213.1960, 0.3316,
0.2527


 0.0000, 0.0000,
0.0000


 21.3191, 0.3441,
0.1879


 21.3191, 0.3441,
0.1879


 19.4315, 0.3490,
0.1791


 24.1121, 0.3391,
0.2009


 18.3281, 0.3536,
0.1749

 27.9058, 0.3341,
0.2176


 17.8636, 0.3568,
0.1739


 32.7868, 0.3293,
0.2370


 38.8315, 0.3247,
0.2582

 46.1094, 0.3205,
0.2802

 54.6845, 0.3168,
0.3023

 64.6165, 0.3135,
0.3238

 75.9613, 0.3106,
0.3444

 88.7716, 0.3081,
0.3637

Harmonies

Analogous

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



21.3191, 0.2135, 0.1484



21.3191, 0.3441, 0.1879



21.3191, 0.4972, 0.2523

Triad

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



21.3191, 0.3441, 0.1879



21.3191, 0.4703, 0.5133



21.3191, 0.1017, 0.2363

Complementary

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



21.3191, 0.3441, 0.1879



49.6048, 0.2951, 0.5368

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.



21.3191, 0.1418, 0.3917



21.3191, 0.3441, 0.1879



21.3191, 0.3523, 0.5995

Square

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



21.3191, 0.3441, 0.1879



21.3191, 0.5611, 0.4124



21.3191, 0.2335, 0.5694



21.3191, 0.1023, 0.1617

Rectangle

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



21.3191, 0.3441, 0.1879



21.3191, 0.5667, 0.3021



21.3191, 0.2335, 0.5694



21.3191, 0.1097, 0.2784

Sweetspot

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



21.3201, 0.3441, 0.1879



68.8229, 0.3204, 0.2808



9.5597, 0.1844, 0.1051



14.0538, 0.3215, 0.2747



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.



21.3201, 0.3441, 0.1879



27.8659, 0.3515, 0.1763



18.7424, 0.4624, 0.2658



12.6038, 0.3157, 0.3089



10.8040, 0.3562, 0.1736



0.6595, 0.3493, 0.1698

Inverse Universe

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



21.3201, 0.3441, 0.1879



27.8659, 0.3515, 0.1763



51.3933, 0.2597, 0.4205



12.6038, 0.3157, 0.3089



10.8040, 0.3562, 0.1736



0.6595, 0.3493, 0.1698

Previews

White Background



This preview shows how the Yxy color 21.3191, 0.3441, 0.1879 looks on a white background.

Color Contrast Check

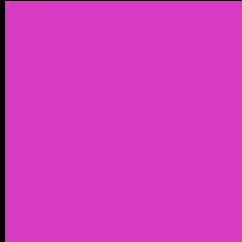
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3191, 0.3441, 0.1879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

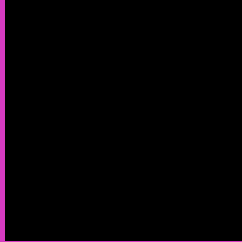
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.3191, 0.3441, 0.1879

Background



This preview shows how black text looks on a background with the Yxy color 21.3191, 0.3441, 0.1879.



This preview shows how white text looks on a background with the Yxy color 21.3191, 0.3441, 0.1879.

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

21.3191, 0.3441, 0.1879

Protanopia

22.0333, 0.1822, 0.1551

Deuteranopia

21.7036, 0.2405, 0.2353



Tritanopia

21.1826, 0.4684, 0.3221

Trichromacy



Original Color

21.3191, 0.3441, 0.1879



Protanomaly

18.0787, 0.2091, 0.1503



Deuteranomaly

19.1533, 0.2696, 0.2025



Tritanomaly

20.6678, 0.4242, 0.2659

Monochromacy



Original Color

21.3191, 0.3441, 0.1879



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

17.8420, 0.3258, 0.2502

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3191, 0.3441, 0.1879 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(214, 59, 194)` looks like.

```
.text, #text, p{  
    color:rgb(214, 59, 194)  
}
```

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(214, 59, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 59, 194) }
```

Border

The CSS property to change the border of an element to Yxy 21.3191, 0.3441, 0.1879 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(214, 59, 194) }
```

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

```
.border{ border-color:rgb(214, 59, 194) }
```

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

Here you see how a box with a 4 pixel rgb(214, 59, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 59, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 59, 194);  
box-shadow:4px 4px 4px 4px rgb(214, 59,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3191, 0.3441, 0.1879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 59, 194) }
```

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

```
.background{ background-color: rgb(214, 59,  
194) }
```

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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