

Converting Colors

$Y_{xy}(19.9219, 0.3554, 0.1731)$

Have a look what the booklet for
Yxy(19.9219, 0.3554, 0.1731)
contains.

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Color

Yxy(19.8785, 0.3543, 0.1725)

Conversions

Conversions Part 1

Format	Color
Hex	E000C5
RGB	224, 0, 197
RGB Percent	88%, 0%, 77%
CMY	0.1214, 1.0000, 0.2273
CMYK	0.00, 1.00, 0.12, 0.12
HSL	307°, 100%, 44%
HSV	307°, 100%, 88%
XYZ	40.8287, 19.8785, 54.5305
YIQ	89.4340, 70.2670, 108.7550

Conversions

Conversions Part 2

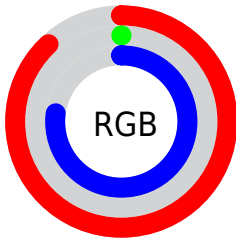
Format	Color
RYB	224, 0, 197
Decimal	14680261
CIELab	51.70, 85.46, -42.10
CIELCh	52, 95.265, 333.771
Yxy	19.8785, 0.3543, 0.1725
Android (android.graphics.Color)	4292870341 (0xFFE000C5)
YUV	89.4340, 53.0300, 118.0144
Hunter-Lab	44.5853, 85.4359, -41.3055

Details

The Yxy color **19.8785, 0.3543, 0.1725** 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 **53.4068, 0.2978, 0.5921**, and the grayscale version is **9.9627, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.7815, 0.3204, 0.1861**, and **9.8757, 0.3558, 0.1734** is the 20% darker color. If you saturate the color by 10%, you get **19.8851, 0.3543, 0.1725**, and if you desaturate by 10%, it is **20.5993, 0.3503, 0.1741**.

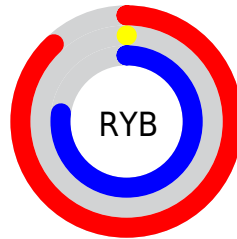
Distribution



Red (88%)

Green (0%)

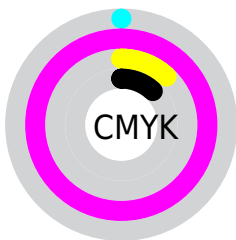
Blue (77%)



Red (88%)

Yellow (0%)

Blue (77%)

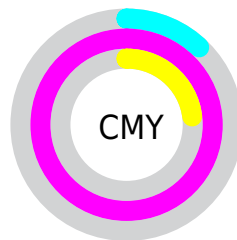


Cyan (0%)

Magenta (100%)

Yellow (12%)

Black (12%)



Cyan (12%)

Magenta (100%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.8785, 0.3543, 0.1725 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 19.8785, 0.3543, 0.1725 by changing the saturation by 10% instead.


 19.8785, 0.3543,
0.1725

 19.8785, 0.3543,
0.1725


251.2566, 0.3362,
0.2480


 12.3068, 0.3577,
0.1552


 43.2134, 0.3485,
0.1989


 6.9530, 0.3615,
0.1341


 59.7453, 0.3461,
0.2092


 3.4327, 0.3651,
0.1081


 80.0328, 0.3439,
0.2180

 1.3616, 0.3678,
0.0766

 104.4601, 0.3420,
0.2256

 0.1882, 0.3734,
0.0218

 133.4118, 0.3403,
0.2322

 0.0000, 0.3546,
0.0000

 167.2722, 0.3388,

 0.0000, 0.1787,

0.2381

0.0000

206.4256, 0.3374,
0.2433

■ 0.0000, 0.0000,
0.0000

■ 19.8785, 0.3543,
0.1725

■ 19.8785, 0.3543,
0.1725

■ 19.8851, 0.3543,
0.1725

■ 20.5993, 0.3503,
0.1741

■ 21.9991, 0.3459,
0.1795

■ 24.3057, 0.3413,
0.1894

■ 27.6452, 0.3366,
0.2035

■ 32.1237, 0.3319,
0.2210

■ 37.8342, 0.3274,
0.2411

■ 44.8601, 0.3232,
0.2628

■ 53.2775, 0.3193,
0.2852

■ 63.1568, 0.3158,
0.3074

Harmonies

Analogous

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



19.8785, 0.2032, 0.1296



19.8785, 0.3543, 0.1725



19.8785, 0.5353, 0.2417

Triad

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



19.8785, 0.3543, 0.1725



19.8785, 0.4711, 0.5289



19.8785, 0.0780, 0.2122

Complementary

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



19.8785, 0.3543, 0.1725



53.4068, 0.2978, 0.5921

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.



19.8785, 0.1136, 0.3899



19.8785, 0.3543, 0.1725



19.8785, 0.3349, 0.6426

Square

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



19.8785, 0.3543, 0.1725



19.8785, 0.5844, 0.4103



19.8785, 0.2074, 0.6171



19.8785, 0.0821, 0.1379

Rectangle

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



19.8785, 0.3543, 0.1725



19.8785, 0.6104, 0.2931



19.8785, 0.2074, 0.6171



19.8785, 0.0844, 0.2575

Sweetspot

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



19.8851, 0.3543, 0.1725



59.9406, 0.3233, 0.2623



5.6049, 0.1537, 0.0620



11.9293, 0.3250, 0.2530



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.



19.8851, 0.3543, 0.1725



26.6568, 0.3546, 0.1727



16.5221, 0.5477, 0.2791



13.9057, 0.3156, 0.3086



11.5824, 0.3537, 0.1722



0.8110, 0.3480, 0.1691

Inverse Universe

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



19.8851, 0.3543, 0.1725



26.6568, 0.3546, 0.1727



55.1671, 0.2615, 0.4615



13.9057, 0.3156, 0.3086



11.5824, 0.3537, 0.1722



0.8110, 0.3480, 0.1691

Previews

White Background



This preview shows how the Yxy color 19.8785, 0.3543, 0.1725 looks on a white background.

Color Contrast Check

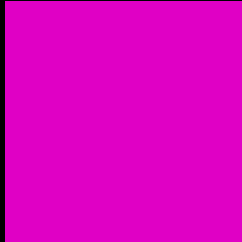
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.8785, 0.3543, 0.1725 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 19.8785, 0.3543, 0.1725

Background



This preview shows how black text looks on a background with the Yxy color 19.8785, 0.3543, 0.1725.



This preview shows how white text looks on a background with the Yxy color 19.8785, 0.3543, 0.1725.

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

19.8785, 0.3543, 0.1725

Protanopia

20.7385, 0.1744, 0.1451

Deuteranopia

20.5148, 0.2327, 0.2273



Tritanopia

20.2041, 0.5102, 0.3253

Trichromacy



Original Color

19.8785, 0.3543, 0.1725



Protanomaly

13.2831, 0.1896, 0.1163



Deuteranomaly

15.1954, 0.2653, 0.1717



Tritanomaly

18.4882, 0.4590, 0.2541

Monochromacy



Original Color

19.8785, 0.3543, 0.1725



Achromatopsia

9.9899, 0.3127, 0.3290



Achromatomaly

9.8880, 0.3354, 0.2094

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8785, 0.3543, 0.1725 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(224, 0, 197)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 197)  
}
```

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(224, 0, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 197) }
```

Border

The CSS property to change the border of an element to Yxy 19.8785, 0.3543, 0.1725 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(224, 0, 197) }
```

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

```
.border{ border-color:rgb(224, 0, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 0, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 197);  
box-shadow:4px 4px 4px 4px rgb(224, 0,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8785, 0.3543, 0.1725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 0, 197) }
```

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

```
.background{ background-color: rgb(224, 0,  
197) }
```

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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