

Converting Colors

$Yxy(21.9832, 0.3795, 0.1895)$

Have a look what the booklet for
Yxy(21.9832, 0.3795, 0.1895)
contains.

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Color

Yxy(21.9727, 0.3792, 0.1893)

Conversions

Conversions Part 1

Format	Color
Hex	EC13BD
RGB	236, 19, 189
RGB Percent	93%, 7%, 74%
CMY	0.0745, 0.9257, 0.2587
CMYK	0.00, 0.92, 0.20, 0.07
HSL	313°, 85%, 50%
HSV	313°, 92%, 93%
XYZ	44.0150, 21.9727, 50.0857
YIQ	103.2630, 74.7620, 98.8740

Conversions

Conversions Part 2

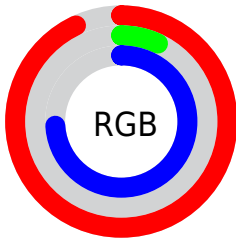
Format	Color
R_{YB}	236, 19, 189
Decimal	15471549
CIE _{Lab}	54.00, 85.12, -33.70
CIE _{LCh}	54, 91.547, 338.399
Yxy	21.9727, 0.3792, 0.1893
Android (android.graphics.Color)	4293661629 (0xFFEC13BD)
YUV	103.2630, 42.2683, 116.4103
Hunter-Lab	46.8750, 85.5778, -30.5384

Details

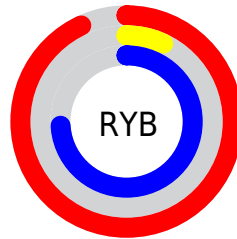
The Yxy color **21.9727, 0.3792, 0.1893** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle washed rose. A complement of this color would be **60.5256, 0.2922, 0.5659**, and the grayscale version is **13.5010, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.6143, 0.3276, 0.1964**, and **10.8632, 0.3884, 0.1913** is the 20% darker color. If you saturate the color by 10%, you get **21.3342, 0.3857, 0.1898**, and if you desaturate by 10%, it is **23.4308, 0.3708, 0.1922**.

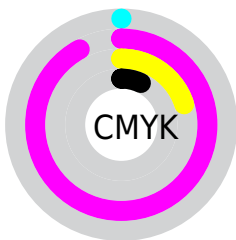
Distribution



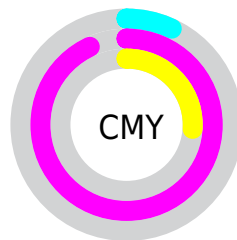
- Red (93%)
- Green (7%)
- Blue (74%)



- Red (93%)
- Yellow (7%)
- Blue (74%)



- Cyan (0%)
- Magenta (92%)
- Yellow (20%)
- Black (7%)




- Cyan (7%)
- Magenta (93%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9727, 0.3792, 0.1893 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 21.9727, 0.3792, 0.1893 by changing the saturation by 10% instead.


 21.9727, 0.3792,
0.1893


 21.9727, 0.3792,
0.1893


262.4037, 0.3468,
0.2573


 13.8368, 0.3868,
0.1733


 46.7009, 0.3677,
0.2134

 8.0073, 0.3963,
0.1536


 64.0620, 0.3633,
0.2226

 4.0996, 0.4082,
0.1289


 85.2669, 0.3595,
0.2305

 1.7294, 0.4233,
0.0977

 110.7002, 0.3563,
0.2373

 0.4426, 0.4456,
0.0516

 140.7461, 0.3534,
0.2433

 0.0000, 0.4711,
0.0000

175.7890, 0.3509,

 0.0000, 0.4798,

0.2485

0.0000

216.2134, 0.3487,
0.2532

■ 0.0000, 0.0000,
0.0000

■ 21.9727, 0.3792,
0.1893

■ 21.9727, 0.3792,
0.1893

■ 21.3342, 0.3857,
0.1898

■ 23.4308, 0.3708,
0.1922

■ 25.8833, 0.3621,
0.1999

■ 29.4813, 0.3535,
0.2119

■ 34.3495, 0.3452,
0.2275

■ 40.5962, 0.3374,
0.2457

■ 48.3182, 0.3302,
0.2653

■ 57.6036, 0.3239,
0.2856

■ 68.5335, 0.3184,
0.3058

■ 81.1833, 0.3136,
0.3253

Harmonies

Analogous

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



21.9727, 0.2276, 0.1427



21.9727, 0.3792, 0.1893



21.9727, 0.5420, 0.2594

Triad

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



21.9727, 0.3792, 0.1893



21.9727, 0.4514, 0.5442



21.9727, 0.0861, 0.2046

Complementary

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



21.9727, 0.3792, 0.1893



60.5256, 0.2922, 0.5659

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.



21.9727, 0.1156, 0.3548



21.9727, 0.3792, 0.1893



21.9727, 0.3214, 0.6327

Square

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



21.9727, 0.3792, 0.1893



21.9727, 0.5602, 0.4289



21.9727, 0.1999, 0.5684



21.9727, 0.0943, 0.1415

Rectangle

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



21.9727, 0.3792, 0.1893



21.9727, 0.6008, 0.3108



21.9727, 0.1999, 0.5684



21.9727, 0.0909, 0.2428

Sweetspot

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



21.9738, 0.3792, 0.1893



61.6395, 0.3277, 0.2731



7.5564, 0.1658, 0.0721



12.2253, 0.3306, 0.2644



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.



21.9738, 0.3792, 0.1893



25.4216, 0.3860, 0.1900



18.9393, 0.5561, 0.2891



15.2547, 0.3171, 0.3107



11.7789, 0.3845, 0.1892



0.9388, 0.3739, 0.1833

Inverse Universe

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



21.9738, 0.3792, 0.1893



25.4216, 0.3860, 0.1900



63.0693, 0.2518, 0.4223



15.2547, 0.3171, 0.3107



11.7789, 0.3845, 0.1892



0.9388, 0.3739, 0.1833

Previews

White Background



This preview shows how the Yxy color 21.9727, 0.3792, 0.1893 looks on a white background.

Color Contrast Check

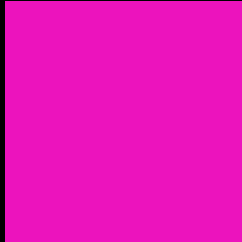
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9727, 0.3792, 0.1893 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

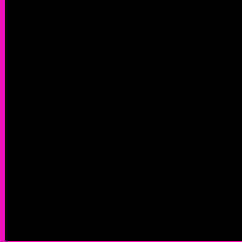
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.9727, 0.3792, 0.1893

Background



This preview shows how black text looks on a background with the Yxy color 21.9727, 0.3792, 0.1893.



This preview shows how white text looks on a background with the Yxy color 21.9727, 0.3792, 0.1893.

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

21.9727, 0.3792, 0.1893

Protanopia

22.7947, 0.1820, 0.1549

Deuteranopia

22.3257, 0.2543, 0.2484



Tritanopia

22.0790, 0.5270, 0.3258

Trichromacy



Original Color

21.9727, 0.3792, 0.1893



Protanomaly

16.3678, 0.2116, 0.1376



Deuteranomaly

17.7892, 0.2929, 0.1979



Tritanomaly

20.9114, 0.4785, 0.2676

Monochromacy



Original Color

21.9727, 0.3792, 0.1893



Achromatopsia

13.5633, 0.3127, 0.3290



Achromatomaly

12.9353, 0.3440, 0.2296

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9727, 0.3792, 0.1893 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(236, 19, 189)` looks like.

```
.text, #text, p{  
    color:rgb(236, 19, 189)  
}
```

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(236, 19, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 19, 189) }
```

Border

The CSS property to change the border of an element to Yxy 21.9727, 0.3792, 0.1893 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(236, 19, 189) }
```

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

```
.border{ border-color:rgb(236, 19, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 19, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 19, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 19, 189);  
box-shadow:4px 4px 4px 4px rgb(236, 19,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9727, 0.3792, 0.1893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 19, 189) }
```

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

```
.background{ background-color: rgb(236, 19,  
189) }
```

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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