

Converting Colors

Yxy(21.9818, 0.3780, 0.1856)

Have a look what the booklet for
Yxy(21.9818, 0.3780, 0.1856)
contains.

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Color

Yxy(21.9829, 0.3778, 0.1855)

Conversions

Conversions Part 1

Format	Color
Hex	EE00C0
RGB	238, 0, 192
RGB Percent	93%, 0%, 75%
CMY	0.0667, 0.9995, 0.2471
CMYK	0.00, 1.00, 0.19, 0.07
HSL	312°, 100%, 47%
HSV	312°, 100%, 93%
XYZ	44.7716, 21.9829, 51.7517
YIQ	93.0500, 80.2160, 110.1680

Conversions

Conversions Part 2

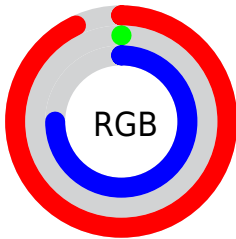
Format	Color
R_{YB}	238, 0, 192
Decimal	15597760
CIE _{Lab}	54.01, 87.28, -35.38
CIE _{LCh}	54, 94.173, 337.935
Yxy	21.9829, 0.3778, 0.1855
Android (android.graphics.Color)	4293787840 (0xFFEE00C0)
YUV	93.0500, 48.7824, 127.1211
Hunter-Lab	46.8859, 88.4003, -32.6229

Details

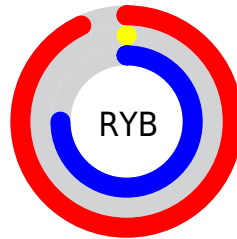
The Yxy color **21.9829, 0.3778, 0.1855** is a dark color, and the websafe version is hex **FF00CC**. The color can be described as middle washed magenta. A complement of this color would be **61.3426, 0.2953, 0.5830**, and the grayscale version is **10.8468, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0232, 0.3249, 0.1915**, and **11.1821, 0.3857, 0.1898** is the 20% darker color. If you saturate the color by 10%, you get **21.9801, 0.3778, 0.1855**, and if you desaturate by 10%, it is **22.8388, 0.3707, 0.1856**.

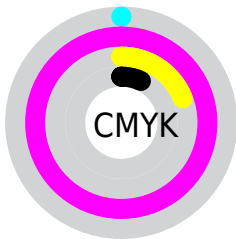
Distribution



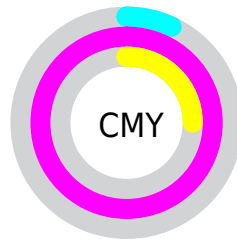
- Red (93%)
- Green (0%)
- Blue (75%)



- Red (93%)
- Yellow (0%)
- Blue (75%)



- Cyan (0%)
- Magenta (100%)
- Yellow (19%)
- Black (7%)




- Cyan (7%)
- Magenta (100%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9829, 0.3778, 0.1855 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 21.9829, 0.3778, 0.1855 by changing the saturation by 10% instead.


 21.9829, 0.3778,
0.1855


 21.9829, 0.3778,
0.1855


262.4570, 0.3464,
0.2549


 13.8443, 0.3851,
0.1694

 46.7177, 0.3668,
0.2099


 8.0125, 0.3940,
0.1495


 64.0828, 0.3625,
0.2194


 4.1029, 0.4050,
0.1247


 85.2921, 0.3589,
0.2274

 1.7313, 0.4187,
0.0938

 110.7302, 0.3557,
0.2344

 0.4438, 0.4385,
0.0490

 140.7813, 0.3529,
0.2405

 0.0000, 0.4594,
0.0000

175.8298, 0.3505,

 0.0000, 0.4508,

0.2459

0.0000

216.2603, 0.3484,
0.2507

■ 0.0000, 0.0000,
0.0000

■ 21.9829, 0.3778,
0.1855

■ 21.9829, 0.3778,
0.1855

■ 21.9801, 0.3778,
0.1855

■ 22.8388, 0.3707,
0.1856

■ 24.4939, 0.3633,
0.1899

■ 27.1961, 0.3557,
0.1988

■ 31.0924, 0.3481,
0.2119

■ 36.3059, 0.3407,
0.2285

■ 42.9446, 0.3338,
0.2474

■ 51.1052, 0.3275,
0.2678

■ 60.8762, 0.3219,
0.2886

■ 72.3388, 0.3170,
0.3092

Harmonies

Analogous

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



21.9829, 0.2235, 0.1389



21.9829, 0.3778, 0.1855



21.9829, 0.5459, 0.2560

Triad

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



21.9829, 0.3778, 0.1855



21.9829, 0.4544, 0.5456



21.9829, 0.0825, 0.2027

Complementary

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



21.9829, 0.3778, 0.1855



61.3426, 0.2953, 0.5830

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.



21.9829, 0.1122, 0.3580



21.9829, 0.3778, 0.1855



21.9829, 0.3208, 0.6395

Square

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



21.9829, 0.3778, 0.1855



21.9829, 0.5655, 0.4266



21.9829, 0.1978, 0.5794



21.9829, 0.0905, 0.1384

Rectangle

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



21.9829, 0.3778, 0.1855



21.9829, 0.6069, 0.3076



21.9829, 0.1978, 0.5794



21.9829, 0.0874, 0.2419

Sweetspot

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



21.9841, 0.3778, 0.1855



59.6038, 0.3276, 0.2674



6.7050, 0.1576, 0.0642



11.8479, 0.3302, 0.2587



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.



21.9841, 0.3778, 0.1855



25.7014, 0.3781, 0.1856



18.6926, 0.5741, 0.2936



15.9759, 0.3167, 0.3102



12.2823, 0.3768, 0.1849



1.0351, 0.3680, 0.1801

Inverse Universe

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



21.9841, 0.3778, 0.1855



25.7014, 0.3781, 0.1856



63.7768, 0.2549, 0.4375



15.9759, 0.3167, 0.3102



12.2823, 0.3768, 0.1849



1.0351, 0.3680, 0.1801

Previews

White Background



This preview shows how the Yxy color 21.9829, 0.3778, 0.1855 looks on a white background.

Color Contrast Check

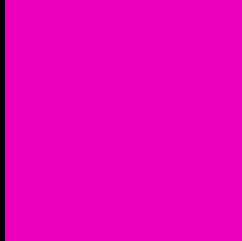
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9829, 0.3778, 0.1855 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 21.9829, 0.3778, 0.1855

Background



This preview shows how black text looks on a background with the Yxy color 21.9829, 0.3778, 0.1855.



This preview shows how white text looks on a background with the Yxy color 21.9829, 0.3778, 0.1855.

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

21.9829, 0.3778, 0.1855

Protanopia

22.8718, 0.1827, 0.1552

Deuteranopia

22.6406, 0.2514, 0.2457



Tritanopia

22.4061, 0.5287, 0.3259

Trichromacy



Original Color

21.9829, 0.3778, 0.1855



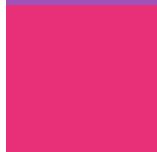
Protanomaly

15.5566, 0.2120, 0.1310



Deuteranomaly

16.9689, 0.2895, 0.1878



Tritanomaly

20.6502, 0.4812, 0.2630

Monochromacy



Original Color

21.9829, 0.3778, 0.1855



Achromatopsia

10.9462, 0.3127, 0.3290



Achromatomaly

10.8239, 0.3466, 0.2158

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9829, 0.3778, 0.1855 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(238, 0, 192)` looks like.

```
.text, #text, p{  
    color:rgb(238, 0, 192)  
}
```

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(238, 0, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 0, 192) }
```

Border

The CSS property to change the border of an element to Yxy 21.9829, 0.3778, 0.1855 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(238, 0, 192) }
```

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

```
.border{ border-color:rgb(238, 0, 192) }
```

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

Here you see how a box with a 4 pixel rgb(238, 0, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 0, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 0, 192);  
box-shadow:4px 4px 4px 4px rgb(238, 0,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9829, 0.3778, 0.1855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 0, 192) }
```

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

```
.background{ background-color: rgb(238, 0,  
192) }
```

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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