

Converting Colors

$Y_{xy}(21.4060, 0.3205, 0.1548)$

Have a look what the booklet for
Yxy(21.4060, 0.3205, 0.1548)
contains.

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Color

Yxy(21.3811, 0.3209, 0.1550)

Conversions

Conversions Part 1

Format	Color
Hex	E007E0
RGB	224, 7, 224
RGB Percent	88%, 3%, 88%
CMY	0.1216, 0.9719, 0.1217
CMYK	0.00, 0.97, 0.00, 0.12
HSL	300°, 94%, 45%
HSV	300°, 97%, 88%
XYZ	44.2658, 21.3811, 72.2957
YIQ	96.6210, 59.6750, 113.4910

Conversions

Conversions Part 2

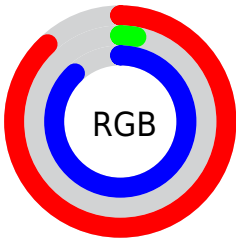
Format	Color
RYB	224, 7, 224
Decimal	14682080
CIELab	53.36, 88.58, -54.89
CIElCh	53, 104.210, 328.217
Yxy	21.3811, 0.3209, 0.1550
Android (android.graphics.Color)	4292872160 (0xFFE007E0)
YUV	96.6210, 62.7978, 111.7114
Hunter-Lab	46.2397, 89.9605, -60.3320

Details

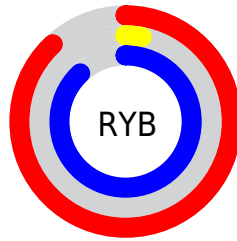
The Yxy color **21.3811, 0.3209, 0.1550** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **53.3688, 0.3001, 0.5980**, and the grayscale version is **11.7146, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.4037, 0.3194, 0.1874**, and **10.7197, 0.3150, 0.1509** is the 20% darker color. If you saturate the color by 10%, you get **21.2263, 0.3209, 0.1542**, and if you desaturate by 10%, it is **22.1336, 0.3207, 0.1590**.

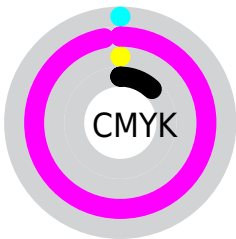
Distribution



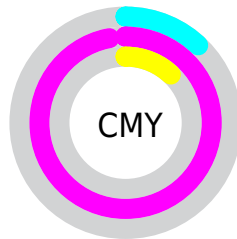
- Red (88%)
- Green (3%)
- Blue (88%)



- Red (88%)
- Yellow (3%)
- Blue (88%)



- Cyan (0%)
- Magenta (97%)
- Yellow (0%)
- Black (12%)





- Cyan (12%)
- Magenta (97%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.3811, 0.3209, 0.1550 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 21.3811, 0.3209, 0.1550 by changing the saturation by 10% instead.


 21.3811, 0.3209,
0.1550


 21.3811, 0.3209,
0.1550


259.2969, 0.3219,
0.2354


 13.4029, 0.3191,
0.1376


 45.7209, 0.3225,
0.1823


 7.7065, 0.3160,
0.1170


 62.8513, 0.3227,
0.1932


 3.9077, 0.3105,
0.0926


 83.8012, 0.3228,
0.2026

 1.6221, 0.3007,
0.0644

 108.9550, 0.3227,
0.2108

 0.3724, 0.2846,
0.0274

 138.6970, 0.3226,
0.2181

 0.0000, 0.2505,
0.0000


173.4118, 0.3224,


 0.0000, 0.1628,


0.2245


0.0000


213.4836, 0.3222,
0.2302

 0.0000, 0.0000,
0.0000


 21.3811, 0.3209,
0.1550

 21.3811, 0.3209,
0.1550


 21.2263, 0.3209,
0.1542

 22.1336, 0.3207,
0.1590

 23.6803, 0.3203,
0.1670

 26.1743, 0.3198,
0.1794

 29.7342, 0.3190,
0.1958

 34.4615, 0.3180,
0.2157

■ 40.4457, 0.3170,
0.2383

■ 47.7674, 0.3158,
0.2626

■ 56.5010, 0.3147,
0.2876

■ 66.7149, 0.3135,
0.3125

Harmonies

Analogous

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



21.3811, 0.1763, 0.1174



21.3811, 0.3209, 0.1550



21.3811, 0.5167, 0.2217

Triad

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



21.3811, 0.3209, 0.1550



21.3811, 0.4954, 0.5046



21.3811, 0.0722, 0.2282

Complementary

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



21.3811, 0.3209, 0.1550



53.3688, 0.3001, 0.5980

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.



21.3811, 0.1161, 0.4414



21.3811, 0.3209, 0.1550



21.3811, 0.3563, 0.6434

Square

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



21.3811, 0.3209, 0.1550



21.3811, 0.6091, 0.3865



21.3811, 0.2203, 0.6650



21.3811, 0.0712, 0.1377

Rectangle

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



21.3811, 0.3209, 0.1550



21.3811, 0.6123, 0.2732



21.3811, 0.2203, 0.6650



21.3811, 0.0806, 0.2835

Sweetspot

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



21.3821, 0.3209, 0.1550



61.5477, 0.3161, 0.2566



5.5835, 0.1512, 0.0620



12.2632, 0.3166, 0.2461



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.



21.3821, 0.3209, 0.1550



28.4786, 0.3209, 0.1542



17.2530, 0.4910, 0.2496



13.9356, 0.3138, 0.3059



12.3563, 0.3209, 0.1542



0.8565, 0.3209, 0.1542

Inverse Universe

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



21.3821, 0.3209, 0.1550



28.4786, 0.3209, 0.1542



54.6043, 0.2720, 0.4971



13.9356, 0.3138, 0.3059



12.3563, 0.3209, 0.1542



0.8565, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 21.3811, 0.3209, 0.1550 looks on a white background.

Color Contrast Check

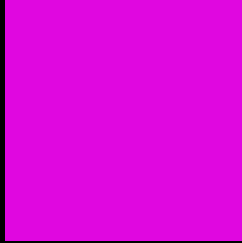
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3811, 0.3209, 0.1550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

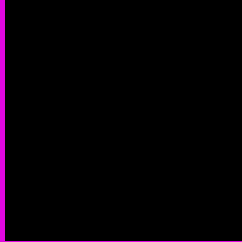
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.3811, 0.3209, 0.1550

Background



This preview shows how black text looks on a background with the Yxy color 21.3811, 0.3209, 0.1550.



This preview shows how white text looks on a background with the Yxy color 21.3811, 0.3209, 0.1550.

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

21.3811, 0.3209, 0.1550

Protanopia

22.0864, 0.1793, 0.1516

Deuteranopia

21.9814, 0.2073, 0.2011



Tritanopia

21.4892, 0.4816, 0.3225

Trichromacy



Original Color

21.3811, 0.3209, 0.1550



Protanomaly

15.6920, 0.1979, 0.1222



Deuteranomaly

16.2007, 0.2304, 0.1502



Tritanomaly

19.4981, 0.4244, 0.2406

Monochromacy



Original Color

21.3811, 0.3209, 0.1550



Achromatopsia

11.9538, 0.3127, 0.3290



Achromatomaly

11.4896, 0.3187, 0.2021

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3811, 0.3209, 0.1550 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, 7, 224)` looks like.

```
.text, #text, p{  
    color:rgb(224, 7, 224)  
}
```

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, 7, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 7, 224) }
```

Border

The CSS property to change the border of an element to Yxy 21.3811, 0.3209, 0.1550 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, 7, 224) }
```

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

```
.border{ border-color:rgb(224, 7, 224) }
```

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

Here you see how a box with a 4 pixel rgb(224, 7, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 7, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 7, 224);  
box-shadow:4px 4px 4px 4px rgb(224, 7,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3811, 0.3209, 0.1550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 7, 224) }
```

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

```
.background{ background-color: rgb(224, 7,  
224) }
```

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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