

Converting Colors

$Y_{xy}(21.9612, 0.3305, 0.1594)$

Have a look what the booklet for
Yxy(21.9612, 0.3305, 0.1594)
contains.

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Color

Yxy(22.0435, 0.3311, 0.1598)

Conversions

Conversions Part 1

Format	Color
Hex	E600DD
RGB	230, 0, 221
RGB Percent	90%, 0%, 87%
CMY	0.0981, 0.9986, 0.1335
CMYK	0.00, 1.00, 0.04, 0.10
HSL	302°, 100%, 45%
HSV	302°, 100%, 90%
XYZ	45.6734, 22.0435, 70.2274
YIQ	93.9640, 66.1390, 117.4910

Conversions

Conversions Part 2

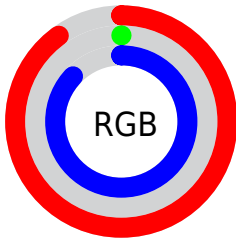
Format	Color
RYB	230, 0, 221
Decimal	15073501
CIELab	54.07, 89.59, -51.98
CIELCh	54, 103.582, 329.876
Yxy	22.0435, 0.3311, 0.1598
Android (android.graphics.Color)	4293263581 (0xFFE600DD)
YUV	93.9640, 62.6287, 119.3036
Hunter-Lab	46.9505, 91.4811, -55.8192

Details

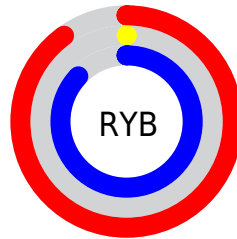
The Yxy color **22.0435, 0.3311, 0.1598** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **56.6011, 0.2995, 0.5980**, and the grayscale version is **11.0708, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.4037, 0.3194, 0.1874**, and **11.1516, 0.3269, 0.1574** is the 20% darker color. If you saturate the color by 10%, you get **22.0361, 0.3311, 0.1598**, and if you desaturate by 10%, it is **22.7119, 0.3298, 0.1625**.

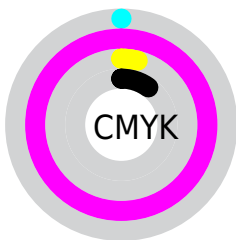
Distribution



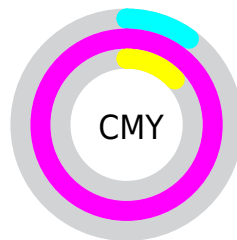
- Red (90%)
- Green (0%)
- Blue (87%)



- Red (90%)
- Yellow (0%)
- Blue (87%)



- Cyan (0%)
- Magenta (100%)
- Yellow (4%)
- Black (10%)




- Cyan (10%)
- Magenta (100%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0435, 0.3311, 0.1598 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 22.0435, 0.3311, 0.1598 by changing the saturation by 10% instead.


 22.0435, 0.3311,
0.1598

 22.0435, 0.3311,
0.1598


262.7734, 0.3265,
0.2382


 13.8889, 0.3308,
0.1427


 46.8179, 0.3305,
0.1865


 8.0434, 0.3296,
0.1224


 64.2064, 0.3300,
0.1971


 4.1227, 0.3268,
0.0981


 85.4417, 0.3294,
0.2063

 1.7425, 0.3205,
0.0697

 110.9082, 0.3288,
0.2143

 0.4509, 0.3090,
0.0335

 140.9902, 0.3282,
0.2213

 0.0000, 0.2827,
0.0000

176.0721, 0.3276,

 0.0000, 0.2098,

0.2276

0.0000

216.5384, 0.3271,
0.2332

■ 0.0000, 0.0000,
0.0000

■ 22.0435, 0.3311,
0.1598

■ 22.0435, 0.3311,
0.1598

■ 22.0361, 0.3311,
0.1598

■ 22.7119, 0.3298,
0.1625

■ 24.1149, 0.3283,
0.1688

■ 26.4811, 0.3266,
0.1795

■ 29.9451, 0.3247,
0.1944

■ 34.6196, 0.3226,
0.2130

■ 40.6038, 0.3205,
0.2343

■ 47.9865, 0.3184,
0.2575

■ 56.8487, 0.3164,
0.2816

■ 67.2652, 0.3145,
0.3058

Harmonies

Analogous

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



22.0435, 0.1839, 0.1205



22.0435, 0.3311, 0.1598



22.0435, 0.5236, 0.2274

Triad

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



22.0435, 0.3311, 0.1598



22.0435, 0.4879, 0.5121



22.0435, 0.0734, 0.2225

Complementary

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



22.0435, 0.3311, 0.1598



56.6011, 0.2995, 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.



22.0435, 0.1146, 0.4251



22.0435, 0.3311, 0.1598



22.0435, 0.3490, 0.6441

Square

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



22.0435, 0.3311, 0.1598



22.0435, 0.6021, 0.3934



22.0435, 0.2159, 0.6527



22.0435, 0.0740, 0.1372

Rectangle

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



22.0435, 0.3311, 0.1598



22.0435, 0.6131, 0.2789



22.0435, 0.2159, 0.6527



22.0435, 0.0812, 0.2746

Sweetspot

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



22.0446, 0.3311, 0.1598



60.3283, 0.3185, 0.2568



5.7710, 0.1508, 0.0605



12.0235, 0.3194, 0.2468



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.



22.0446, 0.3311, 0.1598



27.8522, 0.3312, 0.1598



17.8984, 0.5128, 0.2600



14.6049, 0.3144, 0.3067



12.4834, 0.3309, 0.1597



0.9255, 0.3294, 0.1588

Inverse Universe

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



22.0446, 0.3311, 0.1598



27.8522, 0.3312, 0.1598



58.0061, 0.2698, 0.4913



14.6049, 0.3144, 0.3067



12.4834, 0.3309, 0.1597



0.9255, 0.3294, 0.1588

Previews

White Background



This preview shows how the Yxy color 22.0435, 0.3311, 0.1598 looks on a white background.

Color Contrast Check

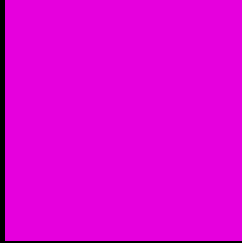
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.0435, 0.3311, 0.1598 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

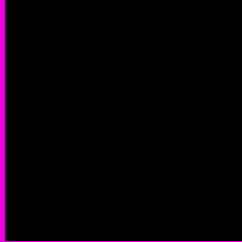
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.0435, 0.3311, 0.1598

Background



This preview shows how black text looks on a background with the Yxy color 22.0435, 0.3311, 0.1598.



This preview shows how white text looks on a background with the Yxy color 22.0435, 0.3311, 0.1598.

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

22.0435, 0.3311, 0.1598

Protanopia

23.0769, 0.1825, 0.1563

Deuteranopia

22.8129, 0.2148, 0.2091



Tritanopia

22.3408, 0.4925, 0.3240

Trichromacy



Original Color

22.0435, 0.3311, 0.1598



Protanomaly

16.0008, 0.2035, 0.1243



Deuteranomaly

16.4796, 0.2407, 0.1540



Tritanomaly

20.1261, 0.4372, 0.2434

Monochromacy



Original Color

22.0435, 0.3311, 0.1598



Achromatopsia

11.1932, 0.3127, 0.3290



Achromatomaly

10.9648, 0.3235, 0.2007

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0435, 0.3311, 0.1598 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(230, 0, 221)` looks like.

```
.text, #text, p{  
    color:rgb(230, 0, 221)  
}
```

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(230, 0, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 0, 221) }
```

Border

The CSS property to change the border of an element to Yxy 22.0435, 0.3311, 0.1598 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(230, 0, 221) }
```

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

```
.border{ border-color:rgb(230, 0, 221) }
```

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

Here you see how a box with a 4 pixel rgb(230, 0, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 0, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 0, 221);  
box-shadow:4px 4px 4px 4px rgb(230, 0,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0435, 0.3311, 0.1598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 0, 221) }
```

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

```
.background{ background-color: rgb(230, 0,  
221) }
```

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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