

Converting Colors

$Y_{xy}(20.8507, 0.3585, 0.1749)$

Have a look what the booklet for
Yxy(20.8507, 0.3585, 0.1749)
contains.

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Color

Yxy(20.7815, 0.3576, 0.1743)

Conversions

Conversions Part 1

Format	Color
Hex	E500C7
RGB	229, 0, 199
RGB Percent	90%, 0%, 78%
CMY	0.1018, 1.0000, 0.2195
CMYK	0.00, 1.00, 0.13, 0.10
HSL	308°, 100%, 45%
HSV	308°, 100%, 90%
XYZ	42.6361, 20.7815, 55.8108
YIQ	91.1570, 72.6050, 110.4370

Conversions

Conversions Part 2

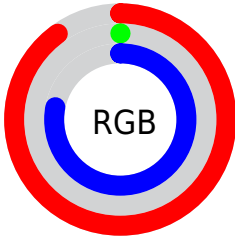
Format	Color
R_{YB}	229, 0, 199
Decimal	15007943
CIE _{Lab}	52.71, 86.59, -41.60
CIE _{LCh}	53, 96.062, 334.342
Yxy	20.7815, 0.3576, 0.1743
Android (android.graphics.Color)	4293198023 (0xFFE500C7)
YUV	91.1570, 53.1666, 120.8883
Hunter-Lab	45.5867, 87.1695, -40.6767

Details

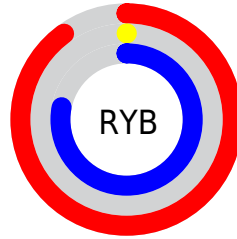
The Yxy color **20.7815, 0.3576, 0.1743** is a dark color, and the websafe version is hex **FF00CC**. The color can be described as middle washed magenta. A complement of this color would be **56.1611, 0.2975, 0.5911**, and the grayscale version is **10.3682, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2154, 0.3194, 0.1867**, and **10.3384, 0.3603, 0.1759** is the 20% darker color. If you saturate the color by 10%, you get **20.7911, 0.3576, 0.1744**, and if you desaturate by 10%, it is **21.5411, 0.3531, 0.1757**.

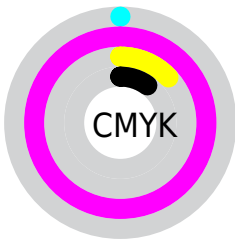
Distribution



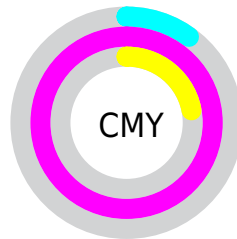
- Red (90%)
- Green (0%)
- Blue (78%)



- Red (90%)
- Yellow (0%)
- Blue (78%)



- Cyan (0%)
- Magenta (100%)
- Yellow (13%)
- Black (10%)





- Cyan (10%)
- Magenta (100%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7815, 0.3576, 0.1743 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 20.7815, 0.3576, 0.1743 by changing the saturation by 10% instead.


 20.7815, 0.3576,
0.1743

 20.7815, 0.3576,
0.1743


256.1150, 0.3378,
0.2485


 12.9644, 0.3615,
0.1573


 44.7236, 0.3511,
0.2002


 7.4040, 0.3659,
0.1366


 61.6174, 0.3484,
0.2103

 3.7160, 0.3706,
0.1113


 82.3055, 0.3461,
0.2189

 1.5160, 0.3748,
0.0803

 107.1723, 0.3440,
0.2264

 0.3000, 0.3808,
0.0321

 136.6023, 0.3422,
0.2330

 0.0000, 0.3707,
0.0000

 170.9798, 0.3406,

 0.0000, 0.2633,

0.2388

0.0000

210.6893, 0.3391,
0.2439

■ 0.0000, 0.0000,
0.0000

■ 20.7815, 0.3576,
0.1743

■ 20.7815, 0.3576,
0.1743

■ 20.7911, 0.3576,
0.1744

■ 21.5411, 0.3531,
0.1757

■ 23.0149, 0.3484,
0.1809

■ 25.4435, 0.3434,
0.1906

■ 28.9601, 0.3383,
0.2046

■ 33.6771, 0.3332,
0.2220

■ 39.6925, 0.3283,
0.2419

■ 47.0945, 0.3238,
0.2635

■ 55.9634, 0.3197,
0.2856

■ 66.3734, 0.3160,
0.3076

Harmonies

Analogous

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



20.7815, 0.2059, 0.1309



20.7815, 0.3576, 0.1743



20.7815, 0.5369, 0.2437

Triad

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



20.7815, 0.3576, 0.1743



20.7815, 0.4687, 0.5313



20.7815, 0.0786, 0.2108

Complementary

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



20.7815, 0.3576, 0.1743



56.1611, 0.2975, 0.5911

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.



20.7815, 0.1134, 0.3852



20.7815, 0.3576, 0.1743



20.7815, 0.3329, 0.6422

Square

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



20.7815, 0.3576, 0.1743



20.7815, 0.5815, 0.4125



20.7815, 0.2061, 0.6119



20.7815, 0.0833, 0.1379

Rectangle

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



20.7815, 0.3576, 0.1743



20.7815, 0.6100, 0.2952



20.7815, 0.2061, 0.6119



20.7815, 0.0848, 0.2552

Sweetspot

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



20.7911, 0.3576, 0.1744



59.8909, 0.3239, 0.2631



5.8893, 0.1536, 0.0620



11.9173, 0.3258, 0.2538



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.



20.7911, 0.3576, 0.1744



26.5109, 0.3578, 0.1745



17.3678, 0.5480, 0.2792



14.5810, 0.3158, 0.3088



11.8941, 0.3569, 0.1740



0.8880, 0.3509, 0.1707

Inverse Universe

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



20.7911, 0.3576, 0.1744



26.5109, 0.3578, 0.1745



57.9978, 0.2616, 0.4617



14.5810, 0.3158, 0.3088



11.8941, 0.3569, 0.1740



0.8880, 0.3509, 0.1707

Previews

White Background



This preview shows how the Yxy color 20.7815, 0.3576, 0.1743 looks on a white background.

Color Contrast Check

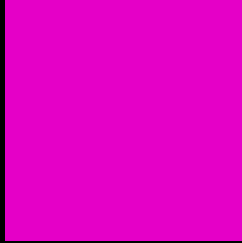
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7815, 0.3576, 0.1743 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 20.7815, 0.3576, 0.1743

Background



This preview shows how black text looks on a background with the Yxy color 20.7815, 0.3576, 0.1743.



This preview shows how white text looks on a background with the Yxy color 20.7815, 0.3576, 0.1743.

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

20.7815, 0.3576, 0.1743

Protanopia

21.7610, 0.1783, 0.1500

Deuteranopia

21.3343, 0.2350, 0.2289



Tritanopia

20.9787, 0.5134, 0.3244

Trichromacy



Original Color

20.7815, 0.3576, 0.1743



Protanomaly

14.5111, 0.2000, 0.1226



Deuteranomaly

15.7948, 0.2681, 0.1729



Tritanomaly

19.2915, 0.4629, 0.2554

Monochromacy



Original Color

20.7815, 0.3576, 0.1743



Achromatopsia

10.4616, 0.3127, 0.3290



Achromatomaly

10.3005, 0.3368, 0.2099

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7815, 0.3576, 0.1743 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(229, 0, 199)` looks like.

```
.text, #text, p{  
    color:rgb(229, 0, 199)  
}
```

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(229, 0, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 0, 199) }
```

Border

The CSS property to change the border of an element to Yxy 20.7815, 0.3576, 0.1743 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(229, 0, 199) }
```

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

```
.border{ border-color:rgb(229, 0, 199) }
```

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

Here you see how a box with a 4 pixel rgb(229, 0, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 0, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 0, 199);  
box-shadow:4px 4px 4px 4px rgb(229, 0,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7815, 0.3576, 0.1743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 0, 199) }
```

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

```
.background{ background-color: rgb(229, 0,  
199) }
```

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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