

Converting Colors

$Y_{xy}(21.7962, 0.3342, 0.1615)$

Have a look what the booklet for
Yxy(21.7962, 0.3342, 0.1615)
contains.

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Color

Yxy(21.7200, 0.3335, 0.1611)

Conversions

Conversions Part 1

Format	Color
Hex	E500DA
RGB	229, 0, 218
RGB Percent	90%, 0%, 85%
CMY	0.1020, 0.9993, 0.1452
CMYK	0.00, 1.00, 0.05, 0.10
HSL	303°, 100%, 45%
HSV	303°, 100%, 90%
XYZ	44.9635, 21.7200, 68.1396
YIQ	93.3230, 66.5060, 116.3460

Conversions

Conversions Part 2

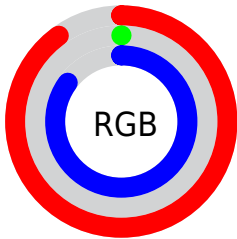
Format	Color
R _Y B	229, 0, 218
Decimal	15007962
CIE _{Lab}	53.73, 89.04, -50.85
CIE _{LCh}	54, 102.535, 330.269
Yxy	21.7200, 0.3335, 0.1611
Android (android.graphics.Color)	4293198042 (0xFFE500DA)
YUV	93.3230, 61.4658, 118.9887
Hunter-Lab	46.6047, 90.6557, -54.0631

Details

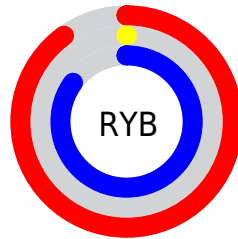
The Yxy color **21.7200, 0.3335, 0.1611** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **56.0589, 0.2994, 0.5976**, and the grayscale version is **10.8905, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.4037, 0.3194, 0.1874**, and **10.9335, 0.3300, 0.1591** is the 20% darker color. If you saturate the color by 10%, you get **21.7170, 0.3335, 0.1611**, and if you desaturate by 10%, it is **22.3907, 0.3320, 0.1637**.

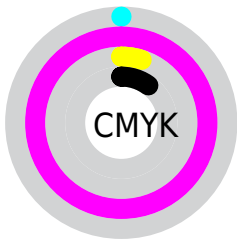
Distribution



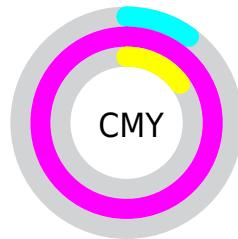
- Red (90%)
- Green (0%)
- Blue (85%)



- Red (90%)
- Yellow (0%)
- Blue (85%)



- Cyan (0%)
- Magenta (100%)
- Yellow (5%)
- Black (10%)




- Cyan (10%)
- Magenta (100%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.7200, 0.3335, 0.1611 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 21.7200, 0.3335, 0.1611 by changing the saturation by 10% instead.


 21.7200, 0.3335,
0.1611

 21.7200, 0.3335,
0.1611


261.0805, 0.3276,
0.2393


 13.6513, 0.3336,
0.1440


 46.2828, 0.3324,
0.1878


 7.8785, 0.3328,
0.1235


 63.5457, 0.3317,
0.1984


 4.0173, 0.3306,
0.0990


 84.6420, 0.3309,
0.2075

 1.6833, 0.3251,
0.0703

 109.9563, 0.3302,
0.2155

 0.4128, 0.3148,
0.0324

 139.8730, 0.3295,
0.2225

 0.0000, 0.2887,
0.0000

174.7763, 0.3288,

 0.0000, 0.2096,

0.2288

0.0000

215.0507, 0.3282,
0.2343

■ 0.0000, 0.0000,
0.0000

■ 21.7200, 0.3335,
0.1611

■ 21.7200, 0.3335,
0.1611

■ 21.7170, 0.3335,
0.1611

■ 22.3907, 0.3320,
0.1637

■ 23.7847, 0.3302,
0.1699

■ 26.1316, 0.3282,
0.1805

■ 29.5643, 0.3260,
0.1953

■ 34.1949, 0.3236,
0.2137

■ 40.1214, 0.3213,
0.2349

■ 47.4317, 0.3189,
0.2580

■ 56.2061, 0.3167,
0.2819

■ 66.5187, 0.3146,
0.3058

Harmonies

Analogous

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



21.7200, 0.1858, 0.1215



21.7200, 0.3335, 0.1611



21.7200, 0.5248, 0.2289

Triad

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



21.7200, 0.3335, 0.1611



21.7200, 0.4861, 0.5139



21.7200, 0.0738, 0.2214

Complementary

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



21.7200, 0.3335, 0.1611



56.0589, 0.2994, 0.5976

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.



21.7200, 0.1145, 0.4213



21.7200, 0.3335, 0.1611



21.7200, 0.3475, 0.6440

Square

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



21.7200, 0.3335, 0.1611



21.7200, 0.6003, 0.3951



21.7200, 0.2151, 0.6491



21.7200, 0.0748, 0.1372

Rectangle

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



21.7200, 0.3335, 0.1611



21.7200, 0.6129, 0.2804



21.7200, 0.2151, 0.6491



21.7200, 0.0815, 0.2728

Sweetspot

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



21.7210, 0.3335, 0.1611



60.2853, 0.3190, 0.2574



5.7105, 0.1508, 0.0605



12.0131, 0.3200, 0.2474



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.



21.7210, 0.3335, 0.1611



27.7149, 0.3336, 0.1611



17.7205, 0.5130, 0.2600



14.6026, 0.3145, 0.3069



12.4232, 0.3333, 0.1610



0.9217, 0.3313, 0.1599

Inverse Universe

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



21.7210, 0.3335, 0.1611



27.7149, 0.3336, 0.1611



57.4446, 0.2699, 0.4914



14.6026, 0.3145, 0.3069



12.4232, 0.3333, 0.1610



0.9217, 0.3313, 0.1599

Previews

White Background



This preview shows how the Yxy color 21.7200, 0.3335, 0.1611 looks on a white background.

Color Contrast Check

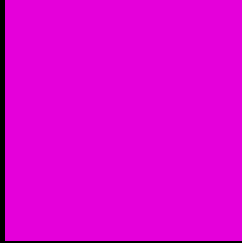
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7200, 0.3335, 0.1611 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 21.7200, 0.3335, 0.1611

Background



This preview shows how black text looks on a background with the Yxy color 21.7200, 0.3335, 0.1611.



This preview shows how white text looks on a background with the Yxy color 21.7200, 0.3335, 0.1611.

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

21.7200, 0.3335, 0.1611

Protanopia

22.7460, 0.1815, 0.1547

Deuteranopia

22.4969, 0.2171, 0.2112



Tritanopia

22.0098, 0.4937, 0.3240

Trichromacy



Original Color

21.7200, 0.3335, 0.1611



Protanomaly

15.6588, 0.2023, 0.1233



Deuteranomaly

16.4151, 0.2438, 0.1567



Tritanomaly

19.9107, 0.4394, 0.2451

Monochromacy



Original Color

21.7200, 0.3335, 0.1611



Achromatopsia

10.9462, 0.3127, 0.3290



Achromatomaly

10.7137, 0.3252, 0.2013

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7200, 0.3335, 0.1611 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, 218)` looks like.

```
.text, #text, p{  
    color:rgb(229, 0, 218)  
}
```

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, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 0, 218) }
```

Border

The CSS property to change the border of an element to Yxy 21.7200, 0.3335, 0.1611 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, 218) }
```

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

```
.border{ border-color:rgb(229, 0, 218) }
```

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, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 0, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 0, 218);  
box-shadow:4px 4px 4px 4px rgb(229, 0,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7200, 0.3335, 0.1611 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, 218) }
```

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

```
.background{ background-color: rgb(229, 0,  
218) }
```

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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