

Converting Colors

$Y_{xy}(21.5994, 0.3323, 0.1607)$

Have a look what the booklet for
Yxy(21.5994, 0.3323, 0.1607)
contains.

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Color

Yxy(21.5994, 0.3323, 0.1607)

Conversions

Conversions Part 1

Format	Color
Hex	E402DA
RGB	228, 2, 218
RGB Percent	89%, 1%, 85%
CMY	0.1060, 0.9910, 0.1451
CMYK	0.00, 0.99, 0.04, 0.11
HSL	303°, 98%, 45%
HSV	303°, 99%, 89%
XYZ	44.6638, 21.5994, 68.1450
YIQ	94.1980, 65.3600, 115.0880

Conversions

Conversions Part 2

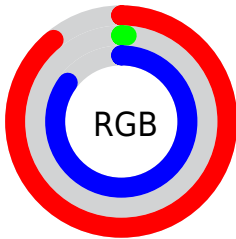
Format	Color
RYB	228, 2, 218
Decimal	14942938
CIELab	53.60, 88.73, -51.08
CIElCh	54, 102.379, 330.073
Yxy	21.5994, 0.3323, 0.1607
Android (android.graphics.Color)	4293133018 (0xFFE402DA)
YUV	94.1980, 61.0344, 117.3444
Hunter-Lab	46.4752, 90.2117, -54.4023

Details

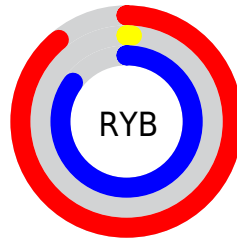
The Yxy color **21.5994, 0.3323, 0.1607** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **55.5114, 0.2994, 0.5972**, and the grayscale version is **11.1235, 0.3127, 0.3290**.

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 **21.5455, 0.3324, 0.1605**, and if you desaturate by 10%, it is **22.3025, 0.3309, 0.1635**.

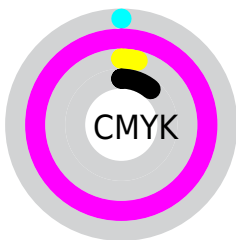
Distribution



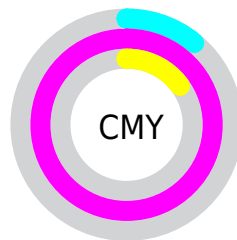
- Red (89%)
- Green (1%)
- Blue (85%)



- Red (89%)
- Yellow (1%)
- Blue (85%)



- Cyan (0%)
- Magenta (99%)
- Yellow (4%)
- Black (11%)



- Cyan (11%)
- Magenta (99%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.5994, 0.3323, 0.1607 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 21.5994, 0.3323, 0.1607 by changing the saturation by 10% instead.


 21.5994, 0.3323,
0.1607


 21.5994, 0.3323,
0.1607

260.4470, 0.3270,
0.2391


 13.5628, 0.3322,
0.1435


 46.0830, 0.3315,
0.1875


 7.8173, 0.3312,
0.1230


 63.2988, 0.3308,
0.1981

 3.9782, 0.3286,
0.0985


 84.3432, 0.3301,
0.2073

 1.6614, 0.3227,
0.0697

 109.6005, 0.3295,
0.2153

 0.3985, 0.3119,
0.0315

 139.4552, 0.3288,
0.2223

 0.0000, 0.2846,
0.0000

174.2915, 0.3282,


 0.0000, 0.2018,


0.2285


0.0000


214.4940, 0.3276,
0.2341


 0.0000, 0.0000,
0.0000


 21.5994, 0.3323,
0.1607


 21.5994, 0.3323,
0.1607


 21.5455, 0.3324,
0.1605

 22.3025, 0.3309,
0.1635

 23.7609, 0.3292,
0.1702

 26.1758, 0.3273,
0.1812

 29.6762, 0.3252,
0.1964

 34.3715, 0.3230,
0.2152

■ 40.3574, 0.3207,
0.2367

■ 47.7203, 0.3185,
0.2599

■ 56.5388, 0.3164,
0.2839

■ 66.8858, 0.3144,
0.3079

Harmonies

Analogous

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



21.5994, 0.1851, 0.1213



21.5994, 0.3323, 0.1607



21.5994, 0.5238, 0.2284

Triad

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



21.5994, 0.3323, 0.1607



21.5994, 0.4870, 0.5130



21.5994, 0.0739, 0.2222

Complementary

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



21.5994, 0.3323, 0.1607



55.5114, 0.2994, 0.5972

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.



21.5994, 0.1149, 0.4230



21.5994, 0.3323, 0.1607



21.5994, 0.3485, 0.6436

Square

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



21.5994, 0.3323, 0.1607



21.5994, 0.6009, 0.3944



21.5994, 0.2158, 0.6501



21.5994, 0.0747, 0.1375

Rectangle

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



21.5994, 0.3323, 0.1607



21.5994, 0.6124, 0.2798



21.5994, 0.2158, 0.6501



21.5994, 0.0817, 0.2739

Sweetspot

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



21.6004, 0.3323, 0.1607



60.3044, 0.3188, 0.2571



5.7126, 0.1512, 0.0610



12.0177, 0.3197, 0.2472



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.



21.6004, 0.3323, 0.1607



27.7757, 0.3325, 0.1605



17.6127, 0.5106, 0.2592



14.6037, 0.3145, 0.3069



12.4499, 0.3323, 0.1604



0.9234, 0.3305, 0.1594

Inverse Universe

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



21.6004, 0.3323, 0.1607



27.7757, 0.3325, 0.1605



56.9055, 0.2696, 0.4898



14.6037, 0.3145, 0.3069



12.4499, 0.3323, 0.1604



0.9234, 0.3305, 0.1594

Previews

White Background



This preview shows how the Yxy color 21.5994, 0.3323, 0.1607 looks on a white background.

Color Contrast Check

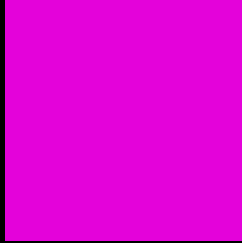
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.5994, 0.3323, 0.1607 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

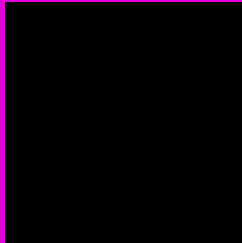
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.5994, 0.3323, 0.1607

Background



This preview shows how black text looks on a background with the Yxy color 21.5994, 0.3323, 0.1607.



This preview shows how white text looks on a background with the Yxy color 21.5994, 0.3323, 0.1607.

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

21.5994, 0.3323, 0.1607

Protanopia

22.4451, 0.1807, 0.1533

Deuteranopia

22.1345, 0.2156, 0.2093



Tritanopia

21.8580, 0.4927, 0.3240

Trichromacy



Original Color

21.5994, 0.3323, 0.1607



Protanomaly

15.5929, 0.2017, 0.1229



Deuteranomaly

16.2429, 0.2418, 0.1558



Tritanomaly

19.8501, 0.4380, 0.2453

Monochromacy



Original Color

21.5994, 0.3323, 0.1607



Achromatopsia

11.1932, 0.3127, 0.3290



Achromatomaly

11.0412, 0.3250, 0.2032

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5994, 0.3323, 0.1607 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(228, 2, 218)` looks like.

```
.text, #text, p{  
    color:rgb(228, 2, 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(228, 2, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 2, 218) }
```

Border

The CSS property to change the border of an element to Yxy 21.5994, 0.3323, 0.1607 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(228, 2, 218) }
```

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

```
.border{ border-color:rgb(228, 2, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 2, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 2, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 2, 218); box-shadow:4px 4px 4px 4px rgb(228, 2, 218) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5994, 0.3323, 0.1607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 2, 218) }
```

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

```
.background{ background-color: rgb(228, 2,  
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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