

Converting Colors

$Y_{xy}(21.8993, 0.4053, 0.2152)$

Have a look what the booklet for
Yxy(21.8993, 0.4053, 0.2152)
contains.

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Color

Yxy(21.8998, 0.4052, 0.2152)

Conversions

Conversions Part 1

Format	Color
Hex	E82EA7
RGB	232, 46, 167
RGB Percent	91%, 18%, 65%
CMY	0.0902, 0.8197, 0.3450
CMYK	0.00, 0.80, 0.28, 0.09
HSL	321°, 80%, 55%
HSV	321°, 80%, 91%
XYZ	41.2351, 21.8998, 38.6299
YIQ	115.4080, 72.0150, 77.0630

Conversions

Conversions Part 2

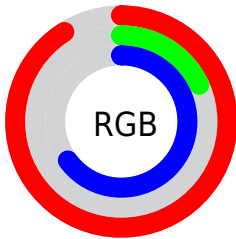
Format	Color
R _{YB}	232, 46, 167
Decimal	15216295
CIE _{Lab}	53.92, 77.13, -21.03
CIE _{LCh}	54, 79.947, 344.747
Y _{xy}	21.8998, 0.4052, 0.2152
Android (android.graphics.Color)	4293406375 (0xFFE82EA7)
YUV	115.4080, 25.4349, 102.2512
Hunter-Lab	46.7972, 75.3892, -16.1844

Details

The Yxy color **21.8998, 0.4052, 0.2152** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **59.4447, 0.2806, 0.5078**, and the grayscale version is **17.1777, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.3442, 0.3507, 0.2229**, and **9.8957, 0.4244, 0.2111** is the 20% darker color. If you saturate the color by 10%, you get **20.2621, 0.4207, 0.2140**, and if you desaturate by 10%, it is **24.5364, 0.3896, 0.2215**.

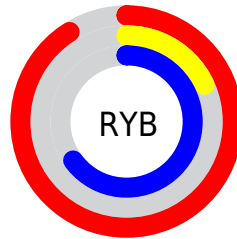
Distribution



Red (91%)

Green (18%)

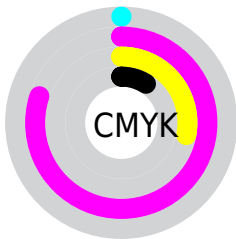
Blue (65%)



Red (91%)

Yellow (18%)

Blue (65%)

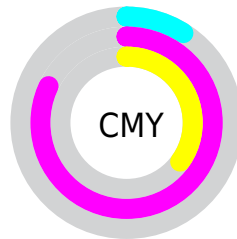


Cyan (0%)

Magenta (80%)

Yellow (28%)

Black (9%)



Cyan (9%)


Magenta (82%)

Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.8998, 0.4052, 0.2152 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 21.8998, 0.4052, 0.2152 by changing the saturation by 10% instead.


 21.8998, 0.4052,
0.2152


 21.8998, 0.4052,
0.2152


262.0226, 0.3566,
0.2729


 13.7833, 0.4180,
0.2008


 46.5803, 0.3870,
0.2362


 7.9701, 0.4347,
0.1825


 63.9131, 0.3803,
0.2441

 4.0758, 0.4575,
0.1585


 85.0869, 0.3748,
0.2508

 1.7161, 0.4900,
0.1263

 110.4858, 0.3700,
0.2565

 0.4340, 0.5453,
0.0719

 140.4945, 0.3660,
0.2614

 0.0000, 0.6398,
0.0000

175.4973, 0.3624,

 0.0000, 1.0000,

0.2658

0.0000

215.8785, 0.3593,
0.2696

■ 0.0000, 0.0000,
0.0000

■ 21.8998, 0.4052,
0.2152

■ 21.8998, 0.4052,
0.2152

■ 20.2621, 0.4207,
0.2140

■ 24.5364, 0.3896,
0.2215

■ 19.3907, 0.4356,
0.2173


■ 28.3069, 0.3747,
0.2320


■ 33.3289, 0.3608,
0.2458


■ 39.7044, 0.3483,
0.2617

■ 47.5246, 0.3373,
0.2786

 56.8730, 0.3277,
0.2958

 67.8264, 0.3197,
0.3126

 80.4568, 0.3128,
0.3287

 94.8314, 0.3071,
0.3439

Harmonies

Analogous

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



21.8998, 0.2624, 0.1652



21.8998, 0.4052, 0.2152



21.8998, 0.5371, 0.2848

Triad

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



21.8998, 0.4052, 0.2152



21.8998, 0.4232, 0.5492



21.8998, 0.1028, 0.2022

Complementary

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



21.8998, 0.4052, 0.2152



59.4447, 0.2806, 0.5078

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.



21.8998, 0.1248, 0.3196



21.8998, 0.4052, 0.2152



21.8998, 0.3057, 0.5979

Square

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



21.8998, 0.4052, 0.2152



21.8998, 0.5255, 0.4516



21.8998, 0.1954, 0.4990



21.8998, 0.1165, 0.1523

Rectangle

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



21.8998, 0.4052, 0.2152



21.8998, 0.5764, 0.3356



21.8998, 0.1954, 0.4990



21.8998, 0.1056, 0.2324

Sweetspot

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



21.9010, 0.4052, 0.2152



65.6736, 0.3313, 0.2890



10.9667, 0.1975, 0.0997



13.1800, 0.3348, 0.2829



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.



21.9010, 0.4052, 0.2152



24.3648, 0.4303, 0.2159



19.6453, 0.5547, 0.3061



14.5252, 0.3191, 0.3138



10.7888, 0.4333, 0.2160



0.8147, 0.4126, 0.2047

Inverse Universe

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



21.9010, 0.4052, 0.2152



24.3648, 0.4303, 0.2159



62.5152, 0.2409, 0.3716



14.5252, 0.3191, 0.3138



10.7888, 0.4333, 0.2160



0.8147, 0.4126, 0.2047

Previews

White Background



This preview shows how the Yxy color 21.8998, 0.4052, 0.2152 looks on a white background.

Color Contrast Check

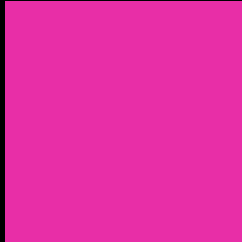
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8998, 0.4052, 0.2152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

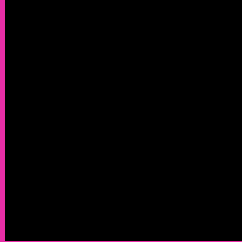
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8998, 0.4052, 0.2152

Background



This preview shows how black text looks on a background with the Yxy color 21.8998, 0.4052, 0.2152.



This preview shows how white text looks on a background with the Yxy color 21.8998, 0.4052, 0.2152.

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

21.8998, 0.4052, 0.2152

Protanopia

22.2975, 0.2035, 0.1826

Deuteranopia

22.2023, 0.2830, 0.2783



Tritanopia

21.7705, 0.5240, 0.3248

Trichromacy



Original Color

21.8998, 0.4052, 0.2152



Protanomaly

18.3604, 0.2477, 0.1764



Deuteranomaly

19.4156, 0.3235, 0.2367



Tritanomaly

21.4444, 0.4857, 0.2830

Monochromacy



Original Color

21.8998, 0.4052, 0.2152



Achromatopsia

17.1441, 0.3127, 0.3290



Achromatomaly

16.3027, 0.3507, 0.2592

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8998, 0.4052, 0.2152 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(232, 46, 167)` looks like.

```
.text, #text, p{  
    color:rgb(232, 46, 167)  
}
```

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(232, 46, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 46, 167) }
```

Border

The CSS property to change the border of an element to Yxy 21.8998, 0.4052, 0.2152 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(232, 46, 167) }
```

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

```
.border{ border-color:rgb(232, 46, 167) }
```

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

Here you see how a box with a 4 pixel rgb(232, 46, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 46, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 46, 167);  
box-shadow:4px 4px 4px 4px rgb(232, 46,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8998, 0.4052, 0.2152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 46, 167) }
```

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

```
.background{ background-color: rgb(232, 46,  
167) }
```

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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