

Converting Colors

$Y_{xy}(22.1448, 0.4051, 0.2154)$

Have a look what the booklet for
Yxy(22.1448, 0.4051, 0.2154)
contains.

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Color

Yxy(22.1838, 0.4047, 0.2154)

Conversions

Conversions Part 1

Format	Color
Hex	E92FA8
RGB	233, 47, 168
RGB Percent	91%, 18%, 66%
CMY	0.0864, 0.8153, 0.3412
CMYK	0.00, 0.80, 0.28, 0.09
HSL	321°, 81%, 55%
HSV	321°, 80%, 91%
XYZ	41.6796, 22.1838, 39.1255
YIQ	116.4080, 72.0150, 77.0630

Conversions

Conversions Part 2

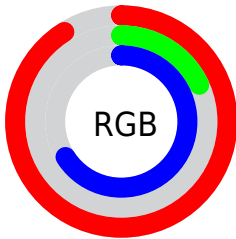
Format	Color
R _Y B	233, 47, 168
Decimal	15282088
CIE Lab	54.22, 77.19, -21.12
CIE LCh	54, 80.025, 344.700
Yxy	22.1838, 0.4047, 0.2154
Android (android.graphics.Color)	4293472168 (0xFFE92FA8)
YUV	116.4080, 25.4349, 102.2512
Hunter-Lab	47.0997, 75.5343, -16.2821

Details

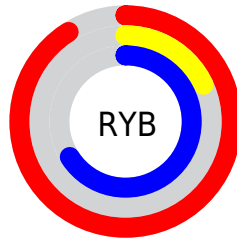
The Yxy color **22.1838, 0.4047, 0.2154** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **60.0366, 0.2806, 0.5068**, and the grayscale version is **17.5138, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.6223, 0.3496, 0.2229**, and **10.0316, 0.4237, 0.2108** is the 20% darker color. If you saturate the color by 10%, you get **20.4954, 0.4203, 0.2140**, and if you desaturate by 10%, it is **24.8867, 0.3891, 0.2218**.

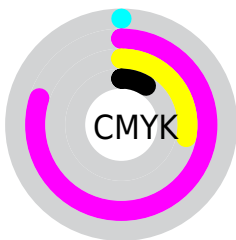
Distribution



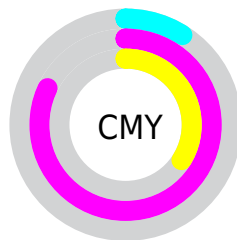
- Red (91%)
- Green (18%)
- Blue (66%)



- Red (91%)
- Yellow (18%)
- Blue (66%)



- Cyan (0%)
- Magenta (80%)
- Yellow (28%)
- Black (9%)





- Cyan (9%)
- Magenta (82%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1838, 0.4047, 0.2154 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 22.1838, 0.4047, 0.2154 by changing the saturation by 10% instead.


 22.1838, 0.4047,
0.2154


 22.1838, 0.4047,
0.2154


263.5046, 0.3565,
0.2729


 13.9920, 0.4174,
0.2011


 47.0496, 0.3867,
0.2363


 8.1151, 0.4339,
0.1829


 64.4924, 0.3801,
0.2442

 4.1687, 0.4564,
0.1591


 85.7876, 0.3745,
0.2508

 1.7684, 0.4884,
0.1272

 111.3198, 0.3698,
0.2565

 0.4673, 0.5418,
0.0750

 141.4731, 0.3658,
0.2614

 0.0000, 0.6348,
0.0000

176.6321, 0.3623,


 0.0000, 1.0000,


0.2658


0.0000

217.1812, 0.3592,
0.2695

 0.0000, 0.0000,
0.0000

 22.1838, 0.4047,
0.2154


 22.1838, 0.4047,
0.2154

 20.4954, 0.4203,
0.2140


 24.8867, 0.3891,
0.2218


 19.5860, 0.4355,
0.2173

 28.7396, 0.3742,
0.2325

 19.5695, 0.4358,
0.2174

 33.8604, 0.3603,
0.2464


 40.3518, 0.3478,
0.2623

 48.3055, 0.3369,
0.2793

 57.8056, 0.3274,
0.2965

 68.9296, 0.3194,
0.3133

 81.7498, 0.3126,
0.3293

 95.2058, 0.3070,
0.3427

Harmonies

Analogous

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



22.1838, 0.2624, 0.1655



22.1838, 0.4047, 0.2154



22.1838, 0.5362, 0.2849

Triad

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



22.1838, 0.4047, 0.2154



22.1838, 0.4234, 0.5486



22.1838, 0.1032, 0.2028

Complementary

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



22.1838, 0.4047, 0.2154



60.0366, 0.2806, 0.5068

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.



22.1838, 0.1254, 0.3199



22.1838, 0.4047, 0.2154



22.1838, 0.3061, 0.5970

Square

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



22.1838, 0.4047, 0.2154



22.1838, 0.5252, 0.4514



22.1838, 0.1959, 0.4986



22.1838, 0.1169, 0.1528

Rectangle

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



22.1838, 0.4047, 0.2154



22.1838, 0.5756, 0.3357



22.1838, 0.1959, 0.4986



22.1838, 0.1061, 0.2329

Sweetspot

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



22.1850, 0.4047, 0.2154



65.6725, 0.3313, 0.2890



11.1759, 0.1980, 0.1004



13.1798, 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.



22.1850, 0.4047, 0.2154



24.3620, 0.4304, 0.2160



19.9093, 0.5531, 0.3060



15.2191, 0.3191, 0.3138



11.1321, 0.4335, 0.2162



0.8922, 0.4139, 0.2054

Inverse Universe

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



22.1850, 0.4047, 0.2154



24.3620, 0.4304, 0.2160



63.1289, 0.2410, 0.3714



15.2191, 0.3191, 0.3138



11.1321, 0.4335, 0.2162



0.8922, 0.4139, 0.2054

Previews

White Background



This preview shows how the Yxy color 22.1838, 0.4047, 0.2154 looks on a white background.

Color Contrast Check

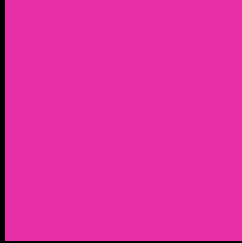
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1838, 0.4047, 0.2154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

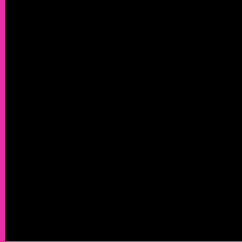
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.1838, 0.4047, 0.2154

Background



This preview shows how black text looks on a background with the Yxy color 22.1838, 0.4047, 0.2154.



This preview shows how white text looks on a background with the Yxy color 22.1838, 0.4047, 0.2154.

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

22.1838, 0.4047, 0.2154

Protanopia

22.6561, 0.2039, 0.1833

Deuteranopia

22.3145, 0.2831, 0.2769



Tritanopia

22.0857, 0.5227, 0.3248

Trichromacy



Original Color

22.1838, 0.4047, 0.2154



Protanomaly

18.6806, 0.2480, 0.1771



Deuteranomaly

19.5595, 0.3235, 0.2359



Tritanomaly

21.7467, 0.4846, 0.2830

Monochromacy



Original Color

22.1838, 0.4047, 0.2154



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

16.6024, 0.3504, 0.2596

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1838, 0.4047, 0.2154 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(233, 47, 168)` looks like.

```
.text, #text, p{  
    color:rgb(233, 47, 168)  
}
```

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(233, 47, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 47, 168) }
```

Border

The CSS property to change the border of an element to Yxy 22.1838, 0.4047, 0.2154 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(233, 47, 168) }
```

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

```
.border{ border-color:rgb(233, 47, 168) }
```

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

Here you see how a box with a 4 pixel rgb(233, 47, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 47, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 47, 168);  
box-shadow:4px 4px 4px 4px rgb(233, 47,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1838, 0.4047, 0.2154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 47, 168) }
```

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

```
.background{ background-color: rgb(233, 47,  
168) }
```

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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