

Converting Colors

$Y_{xy}(22.9263, 0.3940, 0.2059)$

Have a look what the booklet for
Yxy(22.9263, 0.3940, 0.2059)
contains.

Yxy(22.9151, 0.3934, 0.2054)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(22.9151, 0.3934, 0.2054)

Conversions

Conversions Part 1

Format	Color
Hex	ED2AB3
RGB	237, 42, 179
RGB Percent	93%, 16%, 70%
CMY	0.0706, 0.8352, 0.2980
CMYK	0.00, 0.82, 0.24, 0.07
HSL	318°, 84%, 55%
HSV	318°, 82%, 93%
XYZ	43.8890, 22.9151, 44.7592
YIQ	115.9230, 72.2430, 83.9470

Conversions

Conversions Part 2

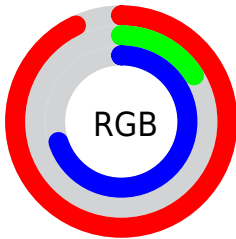
Format	Color
R _Y B	237, 42, 179
Decimal	15542963
CIE Lab	54.98, 80.50, -26.32
CIE LCh	55, 84.689, 341.893
Yxy	22.9151, 0.3934, 0.2054
Android (android.graphics.Color)	4293733043 (0xFFED2AB3)
YUV	115.9230, 31.0970, 106.1845
Hunter-Lab	47.8697, 79.8844, -21.9286

Details

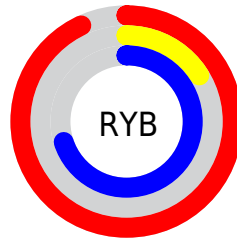
The Yxy color **22.9151, 0.3934, 0.2054** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed rose. A complement of this color would be **61.9796, 0.2848, 0.5263**, and the grayscale version is **17.3306, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.8465, 0.3377, 0.2115**, and **10.7365, 0.4083, 0.2023** is the 20% darker color. If you saturate the color by 10%, you get **21.4239, 0.4059, 0.2042**, and if you desaturate by 10%, it is **25.4154, 0.3807, 0.2116**.

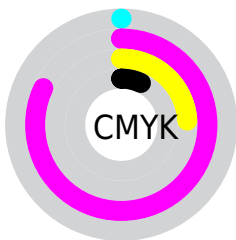
Distribution



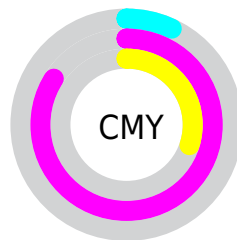
- Red (93%)
- Green (16%)
- Blue (70%)



- Red (93%)
- Yellow (16%)
- Blue (70%)



- Cyan (0%)
- Magenta (82%)
- Yellow (24%)
- Black (7%)





- Cyan (7%)
- Magenta (84%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9151, 0.3934, 0.2054 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 22.9151, 0.3934, 0.2054 by changing the saturation by 10% instead.


 22.9151, 0.3934,
0.2054

 22.9151, 0.3934,
0.2054


267.2886, 0.3523,
0.2667


 14.5308, 0.4037,
0.1906


 48.2539, 0.3784,
0.2274

 8.4908, 0.4170,
0.1720


 65.9772, 0.3727,
0.2357


 4.4106, 0.4345,
0.1482


 87.5823, 0.3680,
0.2428

 1.9058, 0.4585,
0.1172

 113.4536, 0.3639,
0.2489

 0.5518, 0.4950,
0.0719

 143.9755, 0.3604,
0.2542

 0.0000, 0.5573,
0.0000

179.5324, 0.3574,

 0.0000, 0.9271,

0.2589

0.0000

220.5086, 0.3547,
0.2630

■ 0.0000, 0.0000,
0.0000

■ 22.9151, 0.3934,
0.2054

■ 22.9151, 0.3934,
0.2054

■ 21.4239, 0.4059,
0.2042

■ 25.4154, 0.3807,
0.2116


■ 20.7757, 0.4154,
0.2062

■ 29.0740, 0.3682,
0.2222


■ 34.0186, 0.3564,
0.2364


■ 40.3594, 0.3456,
0.2530

■ 48.1945, 0.3359,
0.2709

 57.6132, 0.3275,
0.2893

 68.6978, 0.3202,
0.3076

 81.5247, 0.3140,
0.3251

 95.9616, 0.3088,
0.3414

Harmonies

Analogous

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



22.9151, 0.2483, 0.1570



22.9151, 0.3934, 0.2054



22.9151, 0.5364, 0.2749

Triad

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



22.9151, 0.3934, 0.2054



22.9151, 0.4347, 0.5455



22.9151, 0.0975, 0.2050

Complementary

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



22.9151, 0.3934, 0.2054



61.9796, 0.2848, 0.5263

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.



22.9151, 0.1231, 0.3341



22.9151, 0.3934, 0.2054



22.9151, 0.3141, 0.6101

Square

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



22.9151, 0.3934, 0.2054



22.9151, 0.5384, 0.4423



22.9151, 0.1995, 0.5244



22.9151, 0.1085, 0.1496

Rectangle

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



22.9151, 0.3934, 0.2054



22.9151, 0.5835, 0.3259



22.9151, 0.1995, 0.5244



22.9151, 0.1014, 0.2382

Sweetspot

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



22.9163, 0.3934, 0.2054



64.6891, 0.3297, 0.2841



10.3278, 0.1875, 0.0919



13.0008, 0.3327, 0.2776



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.



22.9163, 0.3934, 0.2054



24.6070, 0.4146, 0.2061



20.3058, 0.5490, 0.2983



15.2330, 0.3183, 0.3126



11.3673, 0.4135, 0.2051



0.9094, 0.3976, 0.1964

Inverse Universe

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



22.9163, 0.3934, 0.2054



24.6070, 0.4146, 0.2061



64.9881, 0.2445, 0.3870



15.2330, 0.3183, 0.3126



11.3673, 0.4135, 0.2051



0.9094, 0.3976, 0.1964

Previews

White Background



This preview shows how the Yxy color 22.9151, 0.3934, 0.2054 looks on a white background.

Color Contrast Check

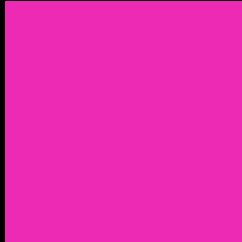
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.9151, 0.3934, 0.2054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

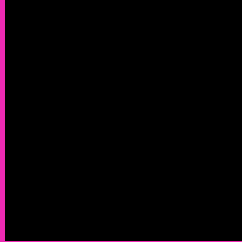
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.9151, 0.3934, 0.2054

Background



This preview shows how black text looks on a background with the Yxy color 22.9151, 0.3934, 0.2054.



This preview shows how white text looks on a background with the Yxy color 22.9151, 0.3934, 0.2054.

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

22.9151, 0.3934, 0.2054

Protanopia

23.3865, 0.1930, 0.1684

Deuteranopia

23.2280, 0.2714, 0.2665



Tritanopia

22.8745, 0.5223, 0.3258

Trichromacy



Original Color

22.9151, 0.3934, 0.2054



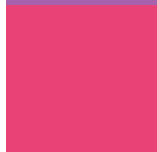
Protanomaly

18.7032, 0.2327, 0.1620



Deuteranomaly

19.8209, 0.3103, 0.2233



Tritanomaly

22.3602, 0.4795, 0.2785

Monochromacy



Original Color

22.9151, 0.3934, 0.2054



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

16.4824, 0.3464, 0.2512

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9151, 0.3934, 0.2054 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(237, 42, 179)` looks like.

```
.text, #text, p{  
    color:rgb(237, 42, 179)  
}
```

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(237, 42, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 42, 179) }
```

Border

The CSS property to change the border of an element to Yxy 22.9151, 0.3934, 0.2054 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(237, 42, 179) }
```

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

```
.border{ border-color:rgb(237, 42, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 42, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 42, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 42, 179);  
box-shadow:4px 4px 4px 4px rgb(237, 42,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9151, 0.3934, 0.2054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 42, 179) }
```

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

```
.background{ background-color: rgb(237, 42,  
179) }
```

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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