

Converting Colors

$Y_{xy}(23.4873, 0.3989, 0.2057)$

Have a look what the booklet for
Yxy(23.4873, 0.3989, 0.2057)
contains.

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Color

Yxy(23.4343, 0.3982, 0.2052)

Conversions

Conversions Part 1

Format	Color
Hex	F224B4
RGB	242, 36, 180
RGB Percent	95%, 14%, 71%
CMY	0.0511, 0.8582, 0.2942
CMYK	0.00, 0.85, 0.26, 0.05
HSL	318°, 89%, 55%
HSV	318°, 85%, 95%
XYZ	45.4753, 23.4343, 45.2926
YIQ	114.0100, 76.5520, 88.4560

Conversions

Conversions Part 2

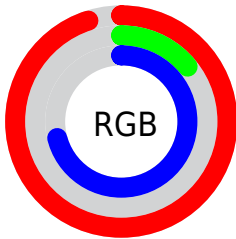
Format	Color
R _Y B	242, 36, 180
Decimal	15869108
CIE _{Lab}	55.52, 82.80, -25.99
CIE _{LCh}	56, 86.787, 342.572
Y _{xy}	23.4343, 0.3982, 0.2052
Android (android.graphics.Color)	4294059188 (0xFFFF224B4)
Y _{UV}	114.0100, 32.5331, 112.2472
Hunter-Lab	48.4090, 82.9669, -21.5869

Details

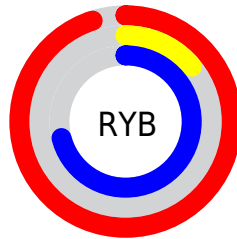
The Yxy color **23.4343, 0.3982, 0.2052** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed rose. A complement of this color would be **64.7442, 0.2850, 0.5321**, and the grayscale version is **16.7364, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.4680, 0.3368, 0.2091**, and **11.3561, 0.4138, 0.2053** is the 20% darker color. If you saturate the color by 10%, you get **22.1374, 0.4108, 0.2055**, and if you desaturate by 10%, it is **25.7375, 0.3852, 0.2099**.

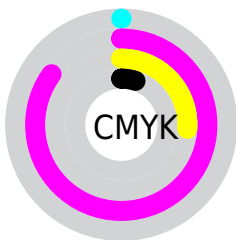
Distribution



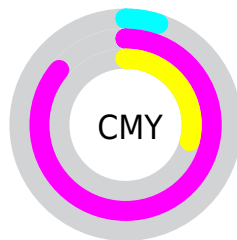
- Red (95%)
- Green (14%)
- Blue (71%)



- Red (95%)
- Yellow (14%)
- Blue (71%)



- Cyan (0%)
- Magenta (85%)
- Yellow (26%)
- Black (5%)




- Cyan (5%)
- Magenta (86%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.4343, 0.3982, 0.2052 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 23.4343, 0.3982, 0.2052 by changing the saturation by 10% instead.


 23.4343, 0.3982,
0.2052


 23.4343, 0.3982,
0.2052


269.9479, 0.3546,
0.2663

 14.9145, 0.4092,
0.1905


 49.1055, 0.3823,
0.2271


 8.7594, 0.4232,
0.1721


 67.0256, 0.3763,
0.2354


 4.5846, 0.4418,
0.1485


 88.8481, 0.3713,
0.2425

 2.0057, 0.4673,
0.1179

 114.9572, 0.3670,
0.2486

 0.6108, 0.5052,
0.0750

 145.7373, 0.3633,
0.2539

 0.0000, 0.5739,
0.0000

181.5728, 0.3600,

 0.0000, 0.8744,

0.2586

0.0000

222.8482, 0.3572,
0.2627

■ 0.0000, 0.0000,
0.0000

■ 23.4343, 0.3982,
0.2052

■ 23.4343, 0.3982,
0.2052

■ 22.1374, 0.4108,
0.2055

■ 25.7375, 0.3852,
0.2099


■ 21.7385, 0.4170,
0.2071


■ 29.2151, 0.3724,
0.2193

■ 34.0082, 0.3602,
0.2325

■ 40.2367, 0.3490,
0.2485

■ 48.0072, 0.3388,
0.2661

 57.4160, 0.3299,
0.2844

 68.5516, 0.3222,
0.3026

 81.4961, 0.3156,
0.3204

 96.3262, 0.3101,
0.3372

Harmonies

Analogous

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



23.4343, 0.2500, 0.1559



23.4343, 0.3982, 0.2052



23.4343, 0.5424, 0.2755

Triad

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



23.4343, 0.3982, 0.2052



23.4343, 0.4322, 0.5497



23.4343, 0.0951, 0.2010

Complementary

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



23.4343, 0.3982, 0.2052



64.7442, 0.2850, 0.5321

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.



23.4343, 0.1196, 0.3298



23.4343, 0.3982, 0.2052



23.4343, 0.3101, 0.6150

Square

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



23.4343, 0.3982, 0.2052



23.4343, 0.5385, 0.4444



23.4343, 0.1950, 0.5244



23.4343, 0.1071, 0.1467

Rectangle

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



23.4343, 0.3982, 0.2052



23.4343, 0.5881, 0.3267



23.4343, 0.1950, 0.5244



23.4343, 0.0986, 0.2338

Sweetspot

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



23.4356, 0.3982, 0.2052



63.5262, 0.3307, 0.2825



10.2699, 0.1857, 0.0880



12.7774, 0.3337, 0.2761



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.



23.4356, 0.3982, 0.2052



24.4823, 0.4173, 0.2072



20.6815, 0.5649, 0.3028



15.9456, 0.3184, 0.3126



11.7075, 0.4150, 0.2060



0.9915, 0.3996, 0.1975

Inverse Universe

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



23.4356, 0.3982, 0.2052



24.4823, 0.4173, 0.2072



68.0674, 0.2428, 0.3844



15.9456, 0.3184, 0.3126



11.7075, 0.4150, 0.2060



0.9915, 0.3996, 0.1975

Previews

White Background



This preview shows how the Yxy color 23.4343, 0.3982, 0.2052 looks on a white background.

Color Contrast Check

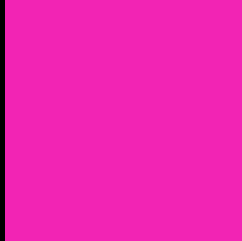
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4343, 0.3982, 0.2052 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

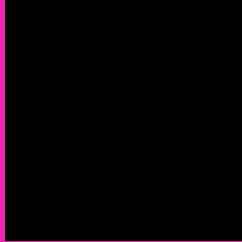
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.4343, 0.3982, 0.2052

Background



This preview shows how black text looks on a background with the Yxy color 23.4343, 0.3982, 0.2052.



This preview shows how white text looks on a background with the Yxy color 23.4343, 0.3982, 0.2052.

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

23.4343, 0.3982, 0.2052

Protanopia

24.1444, 0.1914, 0.1669

Deuteranopia

23.6864, 0.2726, 0.2670



Tritanopia

23.3943, 0.5305, 0.3260

Trichromacy



Original Color

23.4343, 0.3982, 0.2052



Protanomaly

18.7341, 0.2300, 0.1578



Deuteranomaly

20.0015, 0.3128, 0.2220



Tritanomaly

22.7341, 0.4878, 0.2782

Monochromacy



Original Color

23.4343, 0.3982, 0.2052



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

16.0676, 0.3499, 0.2486

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4343, 0.3982, 0.2052 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(242, 36, 180)` looks like.

```
.text, #text, p{  
    color:rgb(242, 36, 180)  
}
```

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(242, 36, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 36, 180) }
```

Border

The CSS property to change the border of an element to Yxy 23.4343, 0.3982, 0.2052 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(242, 36, 180) }
```

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

```
.border{ border-color:rgb(242, 36, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 36, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 36, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 36, 180);  
box-shadow:4px 4px 4px 4px rgb(242, 36,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4343, 0.3982, 0.2052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 36, 180) }
```

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

```
.background{ background-color: rgb(242, 36,  
180) }
```

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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