

Converting Colors

$Y_{xy}(24.9057, 0.3559, 0.1744)$

Have a look what the booklet for
Yxy(24.9057, 0.3559, 0.1744)
contains.

Yxy(24.9057, 0.3559, 0.1744)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.9057, 0.3559, 0.1744)

Conversions

Conversions Part 1

Format	Color
Hex	F708D8
RGB	247, 8, 216
RGB Percent	97%, 3%, 85%
CMY	0.0315, 0.9668, 0.1530
CMYK	0.00, 0.97, 0.13, 0.03
HSL	308°, 94%, 50%
HSV	308°, 97%, 97%
XYZ	50.8253, 24.9057, 67.0769
YIQ	103.1730, 75.6760, 115.3560

Conversions

Conversions Part 2

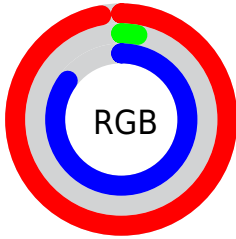
Format	Color
R _Y B	247, 8, 216
Decimal	16189656
CIE Lab	56.98, 91.25, -44.34
CIE LCh	57, 101.456, 334.083
Yxy	24.9057, 0.3559, 0.1744
Android (android.graphics.Color)	4294379736 (0xFFFF708D8)
YUV	103.1730, 55.6237, 126.1363
Hunter-Lab	49.9056, 94.4548, -44.7563

Details

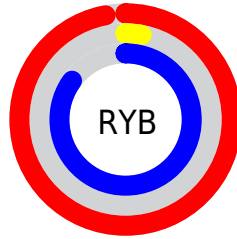
The Yxy color **24.9057, 0.3559, 0.1744** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **66.6999, 0.2972, 0.5877**, and the grayscale version is **13.5196, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1805, 0.3192, 0.1900**, and **12.9772, 0.3597, 0.1755** is the 20% darker color. If you saturate the color by 10%, you get **24.6663, 0.3574, 0.1742**, and if you desaturate by 10%, it is **25.9876, 0.3514, 0.1766**.

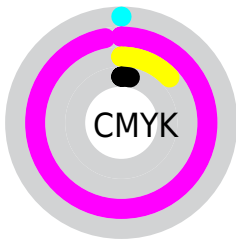
Distribution



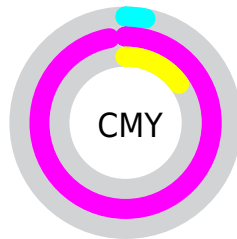
- Red (97%)
- Green (3%)
- Blue (85%)



- Red (97%)
- Yellow (3%)
- Blue (85%)



- Cyan (0%)
- Magenta (97%)
- Yellow (13%)
- Black (3%)




- Cyan (3%)
- Magenta (97%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.9057, 0.3559, 0.1744 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 24.9057, 0.3559, 0.1744 by changing the saturation by 10% instead.


 24.9057, 0.3559,
0.1744


 24.9057, 0.3559,
0.1744


277.3680, 0.3376,
0.2462


 16.0068, 0.3594,
0.1585


 51.5042, 0.3501,
0.1990


 9.5290, 0.3632,
0.1394


 69.9726, 0.3476,
0.2087

 5.0878, 0.3672,
0.1162


 92.3996, 0.3455,
0.2171

 2.2989, 0.3708,
0.0881

 119.1697, 0.3435,
0.2244

 0.7731, 0.3725,
0.0549

 150.6672, 0.3418,
0.2309

 0.0000, 0.3750,
0.0000

187.2764, 0.3403,

 0.0000, 0.3422,

0.2366

0.0000

229.3819, 0.3389,
0.2417

■ 0.0000, 0.0000,
0.0000

■ 24.9057, 0.3559,
0.1744

■ 24.9057, 0.3559,
0.1744

■ 24.6663, 0.3574,
0.1742

■ 25.9876, 0.3514,
0.1766

■ 28.0738, 0.3466,
0.1833

■ 31.3548, 0.3416,
0.1945

■ 35.9815, 0.3365,
0.2097

■ 42.0827, 0.3315,
0.2281

■ 49.7721, 0.3267,
0.2488

■ 59.1520, 0.3223,
0.2707

■ 70.3166, 0.3183,
0.2930

■ 83.3527, 0.3148,
0.3150

Harmonies

Analogous

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



24.9057, 0.2054, 0.1313



24.9057, 0.3559, 0.1744



24.9057, 0.5344, 0.2435

Triad

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



24.9057, 0.3559, 0.1744



24.9057, 0.4699, 0.5301



24.9057, 0.0795, 0.2125

Complementary

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



24.9057, 0.3559, 0.1744



66.6999, 0.2972, 0.5877

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.



24.9057, 0.1148, 0.3870



24.9057, 0.3559, 0.1744



24.9057, 0.3345, 0.6400

Square

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



24.9057, 0.3559, 0.1744



24.9057, 0.5806, 0.4113



24.9057, 0.2079, 0.6113



24.9057, 0.0838, 0.1390

Rectangle

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



24.9057, 0.3559, 0.1744



24.9057, 0.6080, 0.2949



24.9057, 0.2079, 0.6113



24.9057, 0.0858, 0.2571

Sweetspot

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



24.9070, 0.3559, 0.1744



60.9447, 0.3234, 0.2652



7.2771, 0.1554, 0.0642



12.1157, 0.3253, 0.2558



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.



24.9070, 0.3559, 0.1744



26.5270, 0.3575, 0.1743



20.8684, 0.5394, 0.2764



16.7291, 0.3158, 0.3087



13.0653, 0.3567, 0.1739



1.1584, 0.3516, 0.1710

Inverse Universe

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



24.9070, 0.3559, 0.1744



26.5270, 0.3575, 0.1743



68.9351, 0.2608, 0.4573



16.7291, 0.3158, 0.3087



13.0653, 0.3567, 0.1739



1.1584, 0.3516, 0.1710

Previews

White Background



This preview shows how the Yxy color 24.9057, 0.3559, 0.1744 looks on a white background.

Color Contrast Check

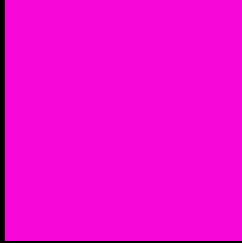
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.9057, 0.3559, 0.1744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

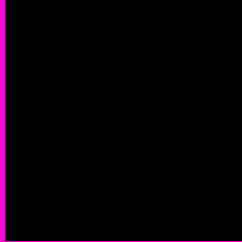
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.9057, 0.3559, 0.1744

Background



This preview shows how black text looks on a background with the Yxy color 24.9057, 0.3559, 0.1744.



This preview shows how white text looks on a background with the Yxy color 24.9057, 0.3559, 0.1744.

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

24.9057, 0.3559, 0.1744

Protanopia

25.6867, 0.1916, 0.1679

Deuteranopia

25.5181, 0.2341, 0.2284



Tritanopia

24.8974, 0.5134, 0.3248

Trichromacy



Original Color

24.9057, 0.3559, 0.1744



Protanomaly

18.5646, 0.2214, 0.1392



Deuteranomaly

19.3400, 0.2668, 0.1747



Tritanomaly

23.0546, 0.4606, 0.2558

Monochromacy



Original Color

24.9057, 0.3559, 0.1744



Achromatopsia

13.5633, 0.3127, 0.3290



Achromatomaly

13.2384, 0.3348, 0.2143

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9057, 0.3559, 0.1744 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(247, 8, 216)` looks like.

```
.text, #text, p{  
    color:rgb(247, 8, 216)  
}
```

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(247, 8, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 8, 216) }
```

Border

The CSS property to change the border of an element to Yxy 24.9057, 0.3559, 0.1744 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(247, 8, 216) }
```

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

```
.border{ border-color:rgb(247, 8, 216) }
```

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

Here you see how a box with a 4 pixel rgb(247, 8, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 8, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 8, 216);  
box-shadow:4px 4px 4px 4px rgb(247, 8,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 24.9057, 0.3559, 0.1744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 8, 216) }
```

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

```
.background{ background-color: rgb(247, 8,  
216) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor