

Converting Colors

$Y_{xy}(24.1568, 0.3728, 0.1886)$

Have a look what the booklet for
Yxy(24.1568, 0.3728, 0.1886)
contains.

Yxy(24.1582, 0.3728, 0.1886)	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(24.1582, 0.3728, 0.1886)

Conversions

Conversions Part 1

Format	Color
Hex	F31FC7
RGB	243, 31, 199
RGB Percent	95%, 12%, 78%
CMY	0.0472, 0.8779, 0.2196
CMYK	0.00, 0.87, 0.18, 0.05
HSL	312°, 90%, 54%
HSV	312°, 87%, 95%
XYZ	47.7528, 24.1582, 56.1813
YIQ	113.5400, 72.4240, 97.1920

Conversions

Conversions Part 2

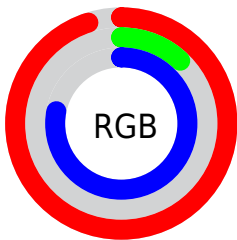
Format	Color
R _Y B	243, 31, 199
Decimal	15933383
CIE Lab	56.25, 86.08, -35.85
CIE LCh	56, 93.250, 337.389
Yxy	24.1582, 0.3728, 0.1886
Android (android.graphics.Color)	4294123463 (0xFFFF31FC7)
YUV	113.5400, 42.1318, 113.5364
Hunter-Lab	49.1510, 87.4080, -33.3648

Details

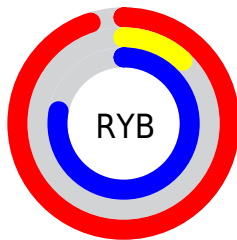
The Yxy color **24.1582, 0.3728, 0.1886** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **64.8844, 0.2916, 0.5585**, and the grayscale version is **16.5594, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.2051, 0.3191, 0.1935**, and **11.9894, 0.3801, 0.1867** is the 20% darker color. If you saturate the color by 10%, you get **23.0906, 0.3806, 0.1879**, and if you desaturate by 10%, it is **26.1840, 0.3646, 0.1939**.

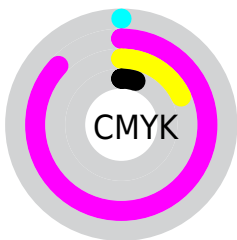
Distribution



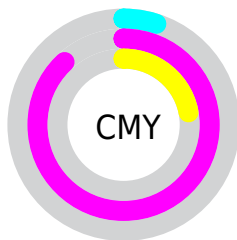
- Red (95%)
- Green (12%)
- Blue (78%)



- Red (95%)
- Yellow (12%)
- Blue (78%)



- Cyan (0%)
- Magenta (87%)
- Yellow (18%)
- Black (5%)





- Cyan (5%)
- Magenta (88%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.1582, 0.3728, 0.1886 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 24.1582, 0.3728, 0.1886 by changing the saturation by 10% instead.


 24.1582, 0.3728,
0.1886


 24.1582, 0.3728,
0.1886


273.6193, 0.3444,
0.2558


 15.4510, 0.3792,
0.1731


 50.2882, 0.3629,
0.2121

 9.1365, 0.3871,
0.1542


 68.4799, 0.3591,
0.2212


 4.8303, 0.3967,
0.1307


 90.6018, 0.3558,
0.2290

 2.1481, 0.4084,
0.1012

 117.0384, 0.3529,
0.2358

 0.6915, 0.4229,
0.0638

 148.1740, 0.3504,
0.2417

 0.0000, 0.4473,
0.0000

184.3931, 0.3481,

 0.0000, 0.4353,

0.2470

0.0000

226.0801, 0.3461,
0.2516

■ 0.0000, 0.0000,
0.0000

■ 24.1582, 0.3728,
0.1886

■ 24.1582, 0.3728,
0.1886

■ 23.0906, 0.3806,
0.1879

■ 26.1840, 0.3646,
0.1939

■ 22.8788, 0.3828,
0.1882

■ 29.3538, 0.3563,
0.2038

■ 33.8156, 0.3482,
0.2178

■ 39.6940, 0.3404,
0.2349

■ 47.0990, 0.3332,
0.2541

■ 56.1298, 0.3267,
0.2743

■ 66.8772, 0.3209,
0.2949

■ 79.4251, 0.3159,
0.3150

■ 93.8521, 0.3116,
0.3343

Harmonies

Analogous

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



24.1582, 0.2246, 0.1432



24.1582, 0.3728, 0.1886



24.1582, 0.5348, 0.2579

Triad

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



24.1582, 0.3728, 0.1886



24.1582, 0.4547, 0.5383



24.1582, 0.0882, 0.2096

Complementary

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



24.1582, 0.3728, 0.1886



64.8844, 0.2916, 0.5585

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.



24.1582, 0.1195, 0.3617



24.1582, 0.3728, 0.1886



24.1582, 0.3268, 0.6278

Square

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



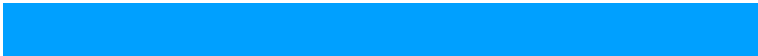
24.1582, 0.3728, 0.1886



24.1582, 0.5610, 0.4256



24.1582, 0.2054, 0.5703



24.1582, 0.0951, 0.1444

Rectangle

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



24.1582, 0.3728, 0.1886



24.1582, 0.5960, 0.3091



24.1582, 0.2054, 0.5703



24.1582, 0.0935, 0.2486

Sweetspot

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



24.1594, 0.3728, 0.1886



63.8915, 0.3260, 0.2766



8.8919, 0.1709, 0.0781



12.8649, 0.3281, 0.2695



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.



24.1594, 0.3728, 0.1886



25.5280, 0.3829, 0.1883



20.8562, 0.5407, 0.2855



16.7059, 0.3170, 0.3104



12.5808, 0.3816, 0.1876



1.1202, 0.3725, 0.1826

Inverse Universe

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



24.1594, 0.3728, 0.1886



25.5280, 0.3829, 0.1883



67.6466, 0.2515, 0.4170



16.7059, 0.3170, 0.3104



12.5808, 0.3816, 0.1876



1.1202, 0.3725, 0.1826

Previews

White Background



This preview shows how the Yxy color 24.1582, 0.3728, 0.1886 looks on a white background.

Color Contrast Check

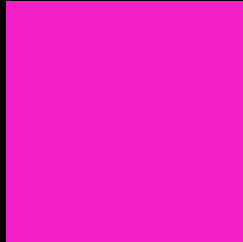
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.1582, 0.3728, 0.1886 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

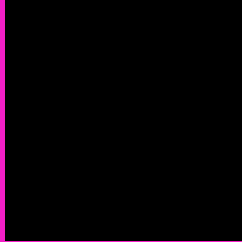
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.1582, 0.3728, 0.1886

Background



This preview shows how black text looks on a background with the Yxy color 24.1582, 0.3728, 0.1886.



This preview shows how white text looks on a background with the Yxy color 24.1582, 0.3728, 0.1886.

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

24.1582, 0.3728, 0.1886

Protanopia

24.6815, 0.1890, 0.1633

Deuteranopia

24.5600, 0.2508, 0.2454



Tritanopia

24.0463, 0.5180, 0.3248

Trichromacy



Original Color

24.1582, 0.3728, 0.1886



Protanomaly

19.0881, 0.2227, 0.1486



Deuteranomaly

20.2035, 0.2874, 0.2003



Tritanomaly

23.2298, 0.4692, 0.2681

Monochromacy



Original Color

24.1582, 0.3728, 0.1886



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

15.9620, 0.3399, 0.2361

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.1582, 0.3728, 0.1886 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(243, 31, 199)` looks like.

```
.text, #text, p{  
    color:rgb(243, 31, 199)  
}
```

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(243, 31, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 31, 199) }
```

Border

The CSS property to change the border of an element to Yxy 24.1582, 0.3728, 0.1886 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(243, 31, 199) }
```

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

```
.border{ border-color:rgb(243, 31, 199) }
```

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

Here you see how a box with a 4 pixel rgb(243, 31, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 31, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 31, 199);  
box-shadow:4px 4px 4px 4px rgb(243, 31,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 24.1582, 0.3728, 0.1886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 31, 199) }
```

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

```
.background{ background-color: rgb(243, 31,  
199) }
```

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