

Converting Colors

$Y_{xy}(26.3676, 0.3936, 0.2014)$

Have a look what the booklet for
Yxy(26.3676, 0.3936, 0.2014)
contains.

Yxy(26.3720, 0.3940, 0.2018)	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(26.3720, 0.3940, 0.2018)

Conversions

Conversions Part 1

Format	Color
Hex	FF24C1
RGB	255, 36, 193
RGB Percent	100%, 14%, 76%
CMY	0.0001, 0.8584, 0.2432
CMYK	0.00, 0.86, 0.24, 0.00
HSL	317°, 100%, 57%
HSV	317°, 86%, 100%
XYZ	51.4894, 26.3720, 52.8224
YIQ	119.3790, 80.1270, 95.2550

Conversions

Conversions Part 2

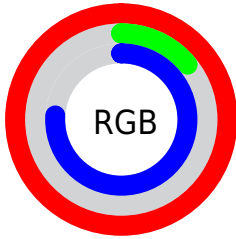
Format	Color
R _{YB}	255, 36, 193
Decimal	16721089
CIE _{Lab}	58.39, 86.96, -28.89
CIE _{LCh}	58, 91.631, 341.619
Yxy	26.3720, 0.3940, 0.2018
Android (android.graphics.Color)	4294911169 (0xFFFF24C1)
YUV	119.3790, 36.2952, 118.9396
Hunter-Lab	51.3537, 89.1030, -25.0381

Details

The Yxy color **26.3720, 0.3940, 0.2018** 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 **72.7663, 0.2865, 0.5388**, and the grayscale version is **18.4545, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.7505, 0.3234, 0.2000**, and **13.2015, 0.4074, 0.2018** is the 20% darker color. If you saturate the color by 10%, you get **25.0215, 0.4056, 0.2022**, and if you desaturate by 10%, it is **28.8374, 0.3820, 0.2064**.

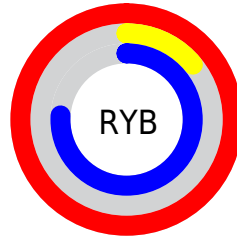
Distribution



Red (100%)

Green (14%)

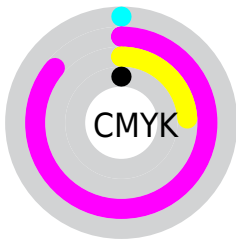
Blue (76%)



Red (100%)

Yellow (14%)

Blue (76%)

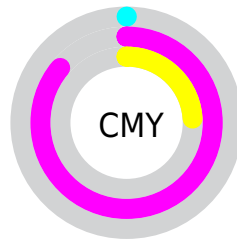


Cyan (0%)

Magenta (86%)

Yellow (24%)

Black (0%)



Cyan (0%)


Magenta (86%)

Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.3720, 0.3940, 0.2018 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 26.3720, 0.3940, 0.2018 by changing the saturation by 10% instead.

 26.3720, 0.3940,
0.2018


 26.3720, 0.3940,
0.2018


284.6035, 0.3538,
0.2630


 17.1021, 0.4037,
0.1875


 53.8745, 0.3796,
0.2233


 10.3073, 0.4160,
0.1699


 72.8759, 0.3741,
0.2317

 5.6032, 0.4319,
0.1477


 95.8899, 0.3694,
0.2388

 2.6053, 0.4531,
0.1193

 123.3010, 0.3654,
0.2449

 0.9294, 0.4821,
0.0831

 155.4935, 0.3619,
0.2503

 0.0000, 0.5439,
0.0000

192.8518, 0.3589,

 0.0000, 0.5926,

0.2551

0.0000

235.7603, 0.3562,
0.2593

■ 0.0000, 0.0000,
0.0000

■ 26.3720, 0.3940,
0.2018

■ 26.3720, 0.3940,
0.2018

■ 25.0215, 0.4056,
0.2022

■ 28.8374, 0.3820,
0.2064


■ 24.6650, 0.4104,
0.2035

■ 32.6138, 0.3701,
0.2157

■ 37.8639, 0.3586,
0.2289

■ 44.7260, 0.3479,
0.2450

■ 53.3221, 0.3382,
0.2629

 63.7627, 0.3297,
0.2817

 76.1487, 0.3223,
0.3005

 90.5740, 0.3160,
0.3187

99.9958, 0.3127,
0.3290

Harmonies

Analogous

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



26.3720, 0.2451, 0.1531



26.3720, 0.3940, 0.2018



26.3720, 0.5421, 0.2720

Triad

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



26.3720, 0.3940, 0.2018



26.3720, 0.4361, 0.5481



26.3720, 0.0933, 0.2019

Complementary

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



26.3720, 0.3940, 0.2018



72.7663, 0.2865, 0.5388

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.



26.3720, 0.1189, 0.3351



26.3720, 0.3940, 0.2018



26.3720, 0.3129, 0.6190

Square

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



26.3720, 0.3940, 0.2018



26.3720, 0.5430, 0.4410



26.3720, 0.1963, 0.5336



26.3720, 0.1044, 0.1458

Rectangle

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



26.3720, 0.3940, 0.2018



26.3720, 0.5906, 0.3233



26.3720, 0.1963, 0.5336



26.3720, 0.0971, 0.2359

Sweetspot

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



26.3734, 0.3940, 0.2018



63.5954, 0.3298, 0.2814



10.8908, 0.1800, 0.0840



12.7940, 0.3327, 0.2749



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.



26.3734, 0.3940, 0.2018



24.6698, 0.4104, 0.2035



23.2145, 0.5586, 0.2975



18.2075, 0.3182, 0.3121



12.9174, 0.4086, 0.2024



1.2765, 0.3962, 0.1956

Inverse Universe

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



26.3734, 0.3940, 0.2018



24.6698, 0.4104, 0.2035



76.2380, 0.2456, 0.3952



18.2075, 0.3182, 0.3121



12.9174, 0.4086, 0.2024



1.2765, 0.3962, 0.1956

Previews

White Background



This preview shows how the Yxy color 26.3720, 0.3940, 0.2018 looks on a white background.

Color Contrast Check

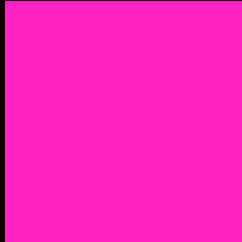
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.3720, 0.3940, 0.2018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

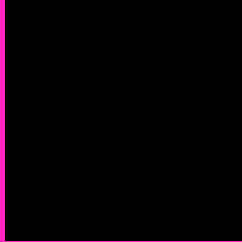
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.3720, 0.3940, 0.2018

Background



This preview shows how black text looks on a background with the Yxy color 26.3720, 0.3940, 0.2018.



This preview shows how white text looks on a background with the Yxy color 26.3720, 0.3940, 0.2018.

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

26.3720, 0.3940, 0.2018

Protanopia

26.9503, 0.1963, 0.1731

Deuteranopia

26.4997, 0.2683, 0.2624



Tritanopia

26.4806, 0.5304, 0.3262

Trichromacy



Original Color

26.3720, 0.3940, 0.2018



Protanomaly

21.0515, 0.2368, 0.1609



Deuteranomaly

22.1573, 0.3086, 0.2168



Tritanomaly

25.5853, 0.4863, 0.2764

Monochromacy



Original Color

26.3720, 0.3940, 0.2018



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

17.5449, 0.3473, 0.2446

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.3720, 0.3940, 0.2018 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(255, 36, 193)` looks like.

```
.text, #text, p{  
    color:rgb(255, 36, 193)  
}
```

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(255, 36, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 36, 193) }
```

Border

The CSS property to change the border of an element to Yxy 26.3720, 0.3940, 0.2018 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(255, 36, 193) }
```

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

```
.border{ border-color:rgb(255, 36, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 36, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 36, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 36, 193);  
box-shadow:4px 4px 4px 4px rgb(255, 36,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 26.3720, 0.3940, 0.2018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 36, 193) }
```

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

```
.background{ background-color: rgb(255, 36,  
193) }
```

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