

Converting Colors

$Y_{xy}(41.0771, 0.3215, 0.2025)$

Have a look what the booklet for
Yxy(41.0771, 0.3215, 0.2025)
contains.

Yxy(41.0109, 0.3214, 0.2023)	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(41.0109, 0.3214, 0.2023)

Conversions

Conversions Part 1

Format	Color
Hex	FF75FC
RGB	255, 117, 252
RGB Percent	100%, 46%, 99%
CMY	0.0002, 0.5410, 0.0119
CMYK	0.00, 0.54, 0.01, 0.00
HSL	301°, 100%, 73%
HSV	301°, 54%, 100%
XYZ	65.1552, 41.0109, 96.5571
YIQ	173.6520, 38.9130, 71.2410

Conversions

Conversions Part 2

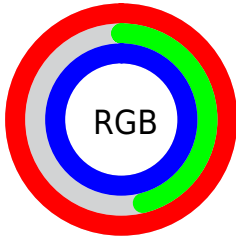
Format	Color
R _Y B	255, 117, 252
Decimal	16741884
CIE Lab	70.18, 69.39, -43.56
CIE LCh	70, 81.924, 327.882
Yxy	41.0109, 0.3214, 0.2023
Android (android.graphics.Color)	4294931964 (0xFFFF75FC)
YUV	173.6520, 38.6256, 71.3422
Hunter-Lab	64.0398, 69.5396, -44.5677

Details

The Yxy color **41.0109, 0.3214, 0.2023** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **76.6315, 0.3033, 0.5001**, and the grayscale version is **41.9306, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.7521, 0.3164, 0.2498**, and **18.5683, 0.3199, 0.1754** is the 20% darker color. If you saturate the color by 10%, you get **35.8208, 0.3229, 0.1851**, and if you desaturate by 10%, it is **47.8223, 0.3198, 0.2228**.

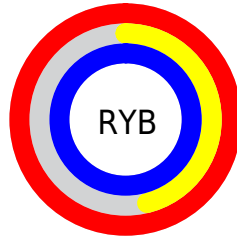
Distribution



Red (100%)

Green (46%)

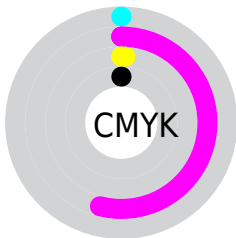
Blue (99%)



Red (100%)

Yellow (46%)

Blue (99%)

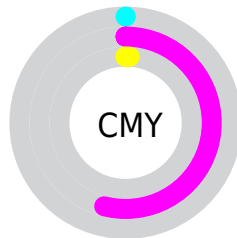


Cyan (0%)

Magenta (54%)

Yellow (1%)

Black (0%)



Cyan (0%)


Magenta (54%)


Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.0109, 0.3214, 0.2023 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 41.0109, 0.3214, 0.2023 by changing the saturation by 10% instead.

 41.0109, 0.3214,
0.2023

 41.0109, 0.3214,
0.2023


350.3662, 0.3198,
0.2589

 28.3276, 0.3211,
0.1901


 76.7004, 0.3214,
0.2214

 18.5728, 0.3205,
0.1755


 100.4755, 0.3212,
0.2290

 11.3620, 0.3192,
0.1577


 128.7165, 0.3210,
0.2356

 6.3109, 0.3166,
0.1358

161.8080, 0.3208,
0.2414

 3.0350, 0.3117,
0.1087

200.1343, 0.3205,
0.2465

 1.1500, 0.3018,
0.0754

244.0799, 0.3203,

 0.0203, 0.2912,

0.2511

0.0029

294.0290, 0.3201,
0.2552

0.0000, 0.2335,
0.0000

0.0000, 0.0000,
0.0000

41.0109, 0.3214,
0.2023

41.0109, 0.3214,
0.2023

35.8208, 0.3229,
0.1851

47.8223, 0.3198,
0.2228

32.1119, 0.3241,
0.1719


56.3692, 0.3182,
0.2458


29.7296, 0.3252,
0.1630

66.7616, 0.3165,
0.2701

28.4826, 0.3261,
0.1584

79.0990, 0.3149,
0.2948

 28.1185, 0.3265,
0.1572

 93.4739, 0.3133,
0.3192

99.9908, 0.3127,
0.3290

Harmonies

Analogous

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



41.0109, 0.2178, 0.1707



41.0109, 0.3214, 0.2023



41.0109, 0.4447, 0.2574

Triad

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



41.0109, 0.3214, 0.2023



41.0109, 0.4699, 0.4825



41.0109, 0.1354, 0.2730

Complementary

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



41.0109, 0.3214, 0.2023



76.6315, 0.3033, 0.5001

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.



41.0109, 0.1820, 0.4042



41.0109, 0.3214, 0.2023



41.0109, 0.3742, 0.5457

Square

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



41.0109, 0.3214, 0.2023



41.0109, 0.5322, 0.4015



41.0109, 0.2696, 0.5275



41.0109, 0.1284, 0.1964

Rectangle

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



41.0109, 0.3214, 0.2023



41.0109, 0.5089, 0.3023



41.0109, 0.2696, 0.5275



41.0109, 0.1461, 0.3116

Sweetspot

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



41.0128, 0.3214, 0.2023



76.6179, 0.3152, 0.2901



23.8990, 0.2090, 0.1557



15.8375, 0.3155, 0.2850



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.



41.0128, 0.3214, 0.2023



35.4382, 0.3230, 0.1837



37.4343, 0.3928, 0.2616



18.2932, 0.3141, 0.3061



14.7020, 0.3264, 0.1572



1.4336, 0.3257, 0.1568

Inverse Universe

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



41.0128, 0.3214, 0.2023



35.4382, 0.3230, 0.1837



78.9186, 0.2728, 0.4124



18.2932, 0.3141, 0.3061



14.7020, 0.3264, 0.1572



1.4336, 0.3257, 0.1568

Previews

White Background



This preview shows how the Yxy color 41.0109, 0.3214, 0.2023 looks on a white background.

Color Contrast Check

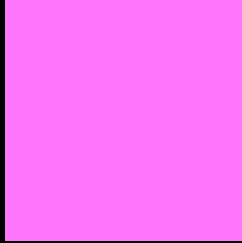
Large Text (above 18pt) WCAG AA × Fail

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 41.0109, 0.3214, 0.2023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

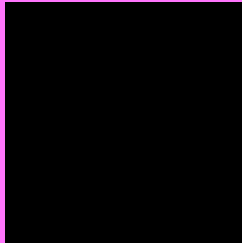
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.0109, 0.3214, 0.2023

Background



This preview shows how black text looks on a background with the Yxy color 41.0109, 0.3214, 0.2023.



This preview shows how white text looks on a background with the Yxy color 41.0109, 0.3214, 0.2023.

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

41.0109, 0.3214, 0.2023

Protanopia

41.2587, 0.2339, 0.2233

Deuteranopia

41.3315, 0.2433, 0.2372



Tritanopia

40.7006, 0.4082, 0.3172

Trichromacy



Original Color

41.0109, 0.3214, 0.2023



Protanomaly

38.9135, 0.2589, 0.2095



Deuteranomaly

39.2261, 0.2673, 0.2186



Tritanomaly

40.2233, 0.3751, 0.2697

Monochromacy



Original Color

41.0109, 0.3214, 0.2023



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

39.7432, 0.3165, 0.2694

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.0109, 0.3214, 0.2023 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, 117, 252)` looks like.

```
.text, #text, p{  
    color:rgb(255, 117, 252)  
}
```

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, 117, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 117, 252) }
```

Border

The CSS property to change the border of an element to Yxy 41.0109, 0.3214, 0.2023 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, 117, 252) }
```

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

```
.border{ border-color:rgb(255, 117, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 117, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 117, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 117, 252);  
box-shadow:4px 4px 4px 4px rgb(255, 117,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 41.0109, 0.3214, 0.2023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 117, 252) }
```

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

```
.background{ background-color: rgb(255,  
117, 252) }
```

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