

Converting Colors

$Y_{xy}(40.8113, 0.3135, 0.1991)$

Have a look what the booklet for
Yxy(40.8113, 0.3135, 0.1991)
contains.

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Color

Yxy(40.7376, 0.3142, 0.1998)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FA77FF |
| RGB | 250, 119, 255 |
| RGB Percent | 98%, 47%, 100% |
| CMY | 0.0197, 0.5332, 0.0000 |
| CMYK | 0.02, 0.53, 0.00, 0.00 |
| HSL | 298°, 100%, 73% |
| HSV | 298°, 53%, 100% |
| XYZ | 64.0628, 40.7376, 99.0915 |
| YIQ | 173.6730, 34.4200, 70.0680 |

Conversions

Conversions Part 2

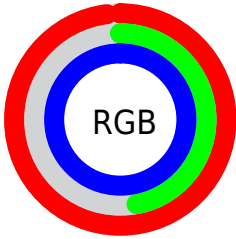
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 250, 119, 255 |
| Decimal | 16414719 |
| CIE Lab | 69.99, 67.73, -45.55 |
| CIE LCh | 70, 81.628, 326.078 |
| Yxy | 40.7376, 0.3142, 0.1998 |
| Android (android.graphics.Color) | 4294604799 (0xFFFA77FF) |
| YUV | 173.6730, 40.0942, 66.9388 |
| Hunter-Lab | 63.8260, 67.4668, -47.3710 |

Details

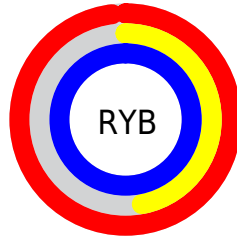
The Yxy color **40.7376, 0.3142, 0.1998** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **77.1400, 0.3071, 0.4996**, and the grayscale version is **41.9329, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5307, 0.3163, 0.2517**, and **18.4911, 0.3114, 0.1727** is the 20% darker color. If you saturate the color by 10%, you get **35.2871, 0.3140, 0.1814**, and if you desaturate by 10%, it is **47.8205, 0.3142, 0.2215**.

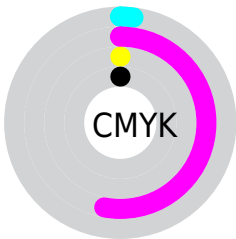
Distribution



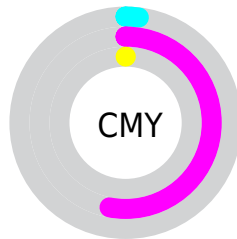
- Red (98%)
- Green (47%)
- Blue (100%)



- Red (98%)
- Yellow (47%)
- Blue (100%)



- Cyan (2%)
- Magenta (53%)
- Yellow (0%)
- Black (0%)





- Cyan (2%)
- Magenta (53%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.7376, 0.3142, 0.1998 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 40.7376, 0.3142, 0.1998 by changing the saturation by 10% instead.

 40.7376, 0.3142,
0.1998


 40.7376, 0.3142,
0.1998


349.2227, 0.3162,
0.2574


 28.1141, 0.3131,
0.1874


 76.2854, 0.3154,
0.2192

 18.4117, 0.3113,
0.1726


 99.9785, 0.3158,
0.2269

 11.2460, 0.3086,
0.1546


 128.1303, 0.3160,
0.2337

 6.2325, 0.3042,
0.1325

161.1251, 0.3161,
0.2396

 2.9870, 0.2968,
0.1053

199.3473, 0.3162,
0.2448

 1.1249, 0.2834,
0.0722

243.1814, 0.3162,

 0.0000, 0.2672,

0.2495

0.0000

293.0118, 0.3162,
0.2536

0.0000, 0.2018,
0.0000

0.0000, 0.0000,
0.0000

40.7376, 0.3142,
0.1998

40.7376, 0.3142,
0.1998

35.2871, 0.3140,
0.1814

47.8205, 0.3142,
0.2215

31.3302, 0.3135,
0.1669


56.6490, 0.3141,
0.2454

28.7142, 0.3129,
0.1568

67.3325, 0.3138,
0.2705

27.2512, 0.3121,
0.1510

79.9700, 0.3134,
0.2959

 26.7355, 0.3115,
0.1490

 94.6534, 0.3129,
0.3209

99.9998, 0.3127,
0.3290

Harmonies

Analogous

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



40.7376, 0.2130, 0.1698



40.7376, 0.3142, 0.1998



40.7376, 0.4376, 0.2537

Triad

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



40.7376, 0.3142, 0.1998



40.7376, 0.4748, 0.4776



40.7376, 0.1372, 0.2796

Complementary

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



40.7376, 0.3142, 0.1998



77.1400, 0.3071, 0.4996

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.



40.7376, 0.1864, 0.4129



40.7376, 0.3142, 0.1998



40.7376, 0.3804, 0.5432

Square

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



40.7376, 0.3142, 0.1998



40.7376, 0.5340, 0.3968



40.7376, 0.2758, 0.5317



40.7376, 0.1281, 0.1997

Rectangle

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



40.7376, 0.3142, 0.1998



40.7376, 0.5041, 0.2982



40.7376, 0.2758, 0.5317



40.7376, 0.1487, 0.3192

Sweetspot

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



40.7394, 0.3142, 0.1998



76.3896, 0.3135, 0.2891



26.0217, 0.2108, 0.1657



15.7824, 0.3136, 0.2839



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.



40.7394, 0.3142, 0.1998



34.9736, 0.3139, 0.1802



38.3468, 0.3807, 0.2536



18.2641, 0.3132, 0.3055



13.9854, 0.3117, 0.1491



1.3720, 0.3128, 0.1497

Inverse Universe

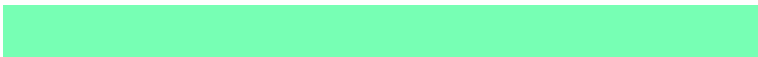
The Inverse Universe completely reimagines the original color for something new.



35.9168, 0.4650, 0.3244



29.7583, 0.5148, 0.3243



78.7463, 0.2774, 0.4230



17.9979, 0.3289, 0.3282



11.1243, 0.6363, 0.3279



1.0868, 0.6275, 0.3231

Previews

White Background



This preview shows how the Yxy color 40.7376, 0.3142, 0.1998 looks on a white background.

Color Contrast Check

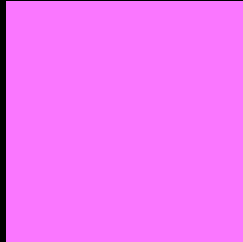
Large Text (above 18pt) WCAG AA × Fail

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 40.7376, 0.3142, 0.1998 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

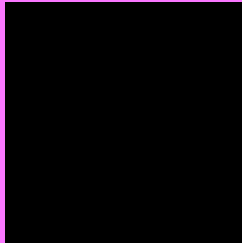
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.7376, 0.3142, 0.1998

Background



This preview shows how black text looks on a background with the Yxy color 40.7376, 0.3142, 0.1998.



This preview shows how white text looks on a background with the Yxy color 40.7376, 0.3142, 0.1998.

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

40.7376, 0.3142, 0.1998

Protanopia

41.1714, 0.2333, 0.2231

Deuteranopia

41.1541, 0.2393, 0.2335



Tritanopia

40.4902, 0.4003, 0.3169

Trichromacy



Original Color

40.7376, 0.3142, 0.1998



Protanomaly

39.0565, 0.2569, 0.2093



Deuteranomaly

38.7965, 0.2614, 0.2148

Tritanomaly

39.9668, 0.3676, 0.2686

Monochromacy



Original Color

40.7376, 0.3142, 0.1998



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

39.9796, 0.3146, 0.2694

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7376, 0.3142, 0.1998 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(250, 119, 255)` looks like.

```
.text, #text, p{  
    color:rgb(250, 119, 255)  
}
```

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(250, 119, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 119, 255) }
```

Border

The CSS property to change the border of an element to Yxy 40.7376, 0.3142, 0.1998 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(250, 119, 255) }
```

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

```
.border{ border-color:rgb(250, 119, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 119, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 119, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 119, 255);  
box-shadow:4px 4px 4px 4px rgb(250, 119,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7376, 0.3142, 0.1998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 119, 255) }
```

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

```
.background{ background-color: rgb(250,  
119, 255) }
```

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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