

Converting Colors

$Y_{xy}(40.7242, 0.3136, 0.1999)$

Have a look what the booklet for
Yxy(40.7242, 0.3136, 0.1999)
contains.

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Color

Yxy(40.5534, 0.3133, 0.1994)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | F977FF |
| RGB | 249, 119, 255 |
| RGB Percent | 98%, 47%, 100% |
| CMY | 0.0235, 0.5333, 0.0000 |
| CMYK | 0.02, 0.53, 0.00, 0.00 |
| HSL | 297°, 100%, 73% |
| HSV | 297°, 53%, 100% |
| XYZ | 63.7181, 40.5534, 99.1057 |
| YIQ | 173.3740, 33.8240, 69.8560 |

Conversions

Conversions Part 2

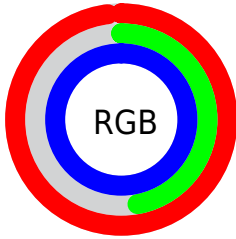
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 249, 119, 255 |
| Decimal | 16349183 |
| CIE _{Lab} | 69.86, 67.51, -45.79 |
| CIE _{LCh} | 70, 81.569, 325.852 |
| Yxy | 40.5534, 0.3133, 0.1994 |
| Android (android.graphics.Color) | 4294539263 (0xFFFF977FF) |
| YUV | 173.3740, 40.2416, 66.3240 |
| Hunter-Lab | 63.6816, 67.1596, -47.6942 |

Details

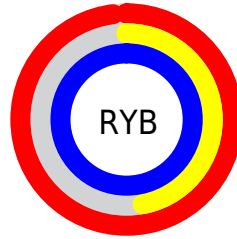
The Yxy color **40.5534, 0.3133, 0.1994** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **77.2115, 0.3075, 0.4994**, and the grayscale version is **41.7664, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5307, 0.3163, 0.2517**, and **18.3619, 0.3102, 0.1721** is the 20% darker color. If you saturate the color by 10%, you get **35.0702, 0.3129, 0.1808**, and if you desaturate by 10%, it is **47.6648, 0.3136, 0.2212**.

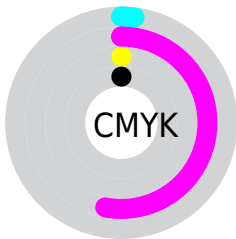
Distribution



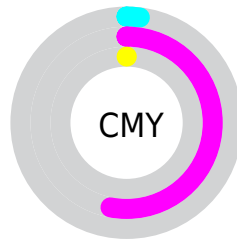
- Red (98%)
- Green (47%)
- Blue (100%)



- 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 40.5534, 0.3133, 0.1994 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 40.5534, 0.3133, 0.1994 by changing the saturation by 10% instead.


 40.5534, 0.3133,
0.1994


 40.5534, 0.3133,
0.1994


348.4506, 0.3158,
0.2572

 27.9703, 0.3121,
0.1870


 76.0055, 0.3147,
0.2189

 18.3033, 0.3102,
0.1721

 99.6432, 0.3151,
0.2266

 11.1679, 0.3073,
0.1540


 127.7346, 0.3153,
0.2334

 6.1799, 0.3027,
0.1319

160.6641, 0.3155,
0.2393

 2.9548, 0.2948,
0.1046

198.8161, 0.3156,
0.2446

 1.1082, 0.2810,
0.0714

242.5749, 0.3157,

 0.0000, 0.2638,

0.2492

0.0000

292.3249, 0.3157,
0.2534

0.0000, 0.1965,
0.0000

0.0000, 0.0000,
0.0000

40.5534, 0.3133,
0.1994

40.5534, 0.3133,
0.1994

35.0702, 0.3129,
0.1808

47.6648, 0.3136,
0.2212

31.0830, 0.3122,
0.1662


56.5242, 0.3136,
0.2452


28.4369, 0.3114,
0.1560

67.2390, 0.3135,
0.2704

26.9440, 0.3104,
0.1501

79.9080, 0.3132,
0.2959

 26.4089, 0.3097,
0.1480

 94.6233, 0.3129,
0.3209

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



40.5534, 0.2123, 0.1696



40.5534, 0.3133, 0.1994



40.5534, 0.4368, 0.2532

Triad

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



40.5534, 0.3133, 0.1994



40.5534, 0.4755, 0.4771



40.5534, 0.1373, 0.2803

Complementary

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



40.5534, 0.3133, 0.1994



77.2115, 0.3075, 0.4994

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.



40.5534, 0.1869, 0.4141



40.5534, 0.3133, 0.1994



40.5534, 0.3812, 0.5431

Square

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



40.5534, 0.3133, 0.1994



40.5534, 0.5344, 0.3962



40.5534, 0.2766, 0.5324



40.5534, 0.1279, 0.2000

Rectangle

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



40.5534, 0.3133, 0.1994



40.5534, 0.5037, 0.2976



40.5534, 0.2766, 0.5324



40.5534, 0.1489, 0.3202

Sweetspot

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



40.5530, 0.3133, 0.1994



76.3347, 0.3133, 0.2891



26.0116, 0.2108, 0.1657



15.7692, 0.3134, 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.



40.5530, 0.3133, 0.1994



34.7600, 0.3128, 0.1797



38.3390, 0.3807, 0.2536



18.2571, 0.3131, 0.3055



13.8172, 0.3099, 0.1481



1.3575, 0.3112, 0.1488

Inverse Universe

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



35.9335, 0.4639, 0.3235



29.7805, 0.5134, 0.3232



78.7451, 0.2774, 0.4231



18.0000, 0.3288, 0.3280



11.1273, 0.6356, 0.3275



1.0878, 0.6252, 0.3218

Previews

White Background



This preview shows how the Yxy color 40.5534, 0.3133, 0.1994 looks on a white background.

Color Contrast Check

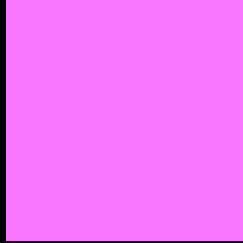
Large Text (above 18pt) WCAG AA × Fail

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 40.5534, 0.3133, 0.1994 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

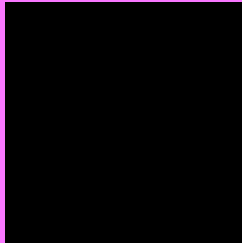
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.5534, 0.3133, 0.1994

Background



This preview shows how black text looks on a background with the Yxy color 40.5534, 0.3133, 0.1994.



This preview shows how white text looks on a background with the Yxy color 40.5534, 0.3133, 0.1994.

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

40.5534, 0.3133, 0.1994

Protanopia

40.8007, 0.2331, 0.2219

Deuteranopia

40.6925, 0.2384, 0.2321



Tritanopia

40.3176, 0.3993, 0.3168

Trichromacy



Original Color

40.5534, 0.3133, 0.1994



Protanomaly

38.7360, 0.2568, 0.2082



Deuteranomaly

38.6761, 0.2606, 0.2145

Tritanomaly

39.7903, 0.3666, 0.2684

Monochromacy



Original Color

40.5534, 0.3133, 0.1994



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

39.5118, 0.3137, 0.2680

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5534, 0.3133, 0.1994 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(249, 119, 255)` looks like.

```
.text, #text, p{  
    color:rgb(249, 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(249, 119, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 119, 255) }
```

Border

The CSS property to change the border of an element to Yxy 40.5534, 0.3133, 0.1994 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(249, 119, 255) }
```

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

```
.border{ border-color:rgb(249, 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(249, 119, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 119, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 119, 255);  
box-shadow:4px 4px 4px 4px rgb(249, 119,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5534, 0.3133, 0.1994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 119, 255) }
```

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

```
.background{ background-color: rgb(249,  
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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