

Converting Colors

$Y_{xy}(40.3962, 0.3110, 0.2077)$

Have a look what the booklet for
Yxy(40.3962, 0.3110, 0.2077)
contains.

Yxy(40.4813, 0.3111, 0.2083)	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(40.4813, 0.3111, 0.2083)

Conversions

Conversions Part 1

Format	Color
Hex	F07FF8
RGB	240, 127, 248
RGB Percent	94%, 50%, 97%
CMY	0.0589, 0.5019, 0.0276
CMYK	0.03, 0.49, 0.00, 0.03
HSL	296°, 90%, 74%
HSV	296°, 49%, 97%
XYZ	60.4596, 40.4813, 93.4004
YIQ	174.5810, 28.5070, 61.5870

Conversions

Conversions Part 2

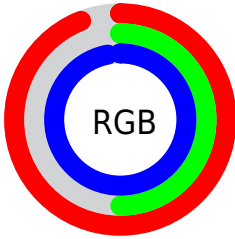
Format	Color
R _Y B	240, 127, 248
Decimal	15761400
CIE Lab	69.81, 60.14, -42.08
CIE LCh	70, 73.397, 325.016
Yxy	40.4813, 0.3111, 0.2083
Android (android.graphics.Color)	4293951480 (0xFFFF07FF8)
YUV	174.5810, 36.1956, 57.3725
Hunter-Lab	63.6249, 58.2761, -42.4994

Details

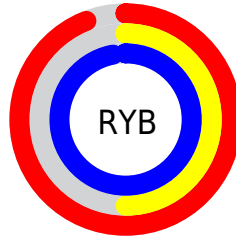
The Yxy color **40.4813, 0.3111, 0.2083** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **73.7931, 0.3097, 0.4823**, and the grayscale version is **42.4438, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3470, 0.3160, 0.2585**, and **18.3414, 0.3084, 0.1824** is the 20% darker color. If you saturate the color by 10%, you get **34.5611, 0.3101, 0.1877**, and if you desaturate by 10%, it is **47.9835, 0.3118, 0.2315**.

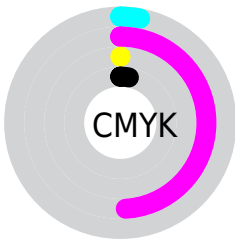
Distribution



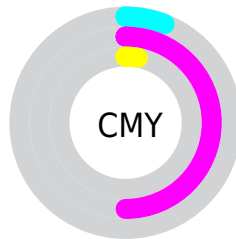
- Red (94%)
- Green (50%)
- Blue (97%)



- Red (94%)
- Yellow (50%)
- Blue (97%)



- Cyan (3%)
- Magenta (49%)
- Yellow (0%)
- Black (3%)




- Cyan (6%)
- Magenta (50%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.4813, 0.3111, 0.2083 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 40.4813, 0.3111, 0.2083 by changing the saturation by 10% instead.


 40.4813, 0.3111,
0.2083


 40.4813, 0.3111,
0.2083


348.1480, 0.3142,
0.2629

 27.9140, 0.3098,
0.1963


 75.8959, 0.3127,
0.2269

 18.2608, 0.3078,
0.1819

 99.5119, 0.3132,
0.2342

 11.1374, 0.3048,
0.1642


 127.5797, 0.3135,
0.2406

 6.1593, 0.3001,
0.1422

160.4836, 0.3137,
0.2462

 2.9422, 0.2922,
0.1146

198.6079, 0.3139,
0.2511

 1.1016, 0.2781,
0.0800

242.3372, 0.3141,

 0.0000, 0.2613,

0.2555

0.0000

292.0558, 0.3142,
0.2594

■ 0.0000, 0.1706,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.4813, 0.3111,
0.2083

■ 40.4813, 0.3111,
0.2083

■ 34.5611, 0.3101,
0.1877

■ 47.9835, 0.3118,
0.2315

■ 30.0998, 0.3089,
0.1708

■ 57.1680, 0.3123,
0.2564


■ 26.9649, 0.3075,
0.1580

■ 68.1332, 0.3126,
0.2820

■ 24.9977, 0.3060,
0.1497


■ 80.9685, 0.3127,
0.3074


 23.9664, 0.3043,
0.1453

 95.7570, 0.3127,
0.3320

 23.8668, 0.3041,
0.1449

 98.5808, 0.3135,
0.3358

 98.8837, 0.3146,
0.3358

 99.1891, 0.3156,
0.3358

 99.4973, 0.3166,
0.3357

Harmonies

Analogous

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



40.4813, 0.2190, 0.1809



40.4813, 0.3111, 0.2083



40.4813, 0.4221, 0.2585

Triad

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



40.4813, 0.3111, 0.2083



40.4813, 0.4672, 0.4670



40.4813, 0.1519, 0.2897

Complementary

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



40.4813, 0.3111, 0.2083



73.7931, 0.3097, 0.4823

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.



40.4813, 0.2008, 0.4090



40.4813, 0.3111, 0.2083



40.4813, 0.3821, 0.5229

Square

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



40.4813, 0.3111, 0.2083



40.4813, 0.5168, 0.3936



40.4813, 0.2852, 0.5110



40.4813, 0.1410, 0.2132

Rectangle

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



40.4813, 0.3111, 0.2083



40.4813, 0.4831, 0.3004



40.4813, 0.2852, 0.5110



40.4813, 0.1637, 0.3261

Sweetspot

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



40.4831, 0.3111, 0.2083



77.5020, 0.3127, 0.2916



28.6406, 0.2210, 0.1842



15.9918, 0.3127, 0.2862



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.



40.4831, 0.3111, 0.2083



36.6595, 0.3101, 0.1871



39.0992, 0.3701, 0.2575



17.4629, 0.3127, 0.3056



12.9220, 0.3044, 0.1451



1.2138, 0.3065, 0.1462

Inverse Universe

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



36.8830, 0.4409, 0.3210



32.4972, 0.4856, 0.3200



74.8958, 0.2804, 0.4160



17.2438, 0.3284, 0.3275



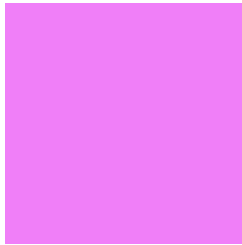
10.8081, 0.6333, 0.3262



1.0073, 0.6173, 0.3174

Previews

White Background



This preview shows how the Yxy color 40.4813, 0.3111, 0.2083 looks on a white background.

Color Contrast Check

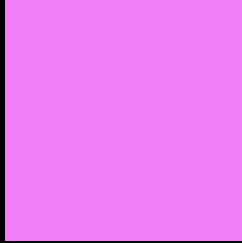
Large Text (above 18pt) WCAG AA × Fail

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 40.4813, 0.3111, 0.2083 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

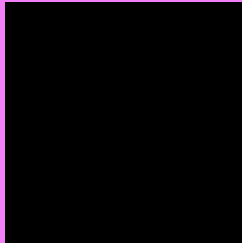
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.4813, 0.3111, 0.2083

Background



This preview shows how black text looks on a background with the Yxy color 40.4813, 0.3111, 0.2083.

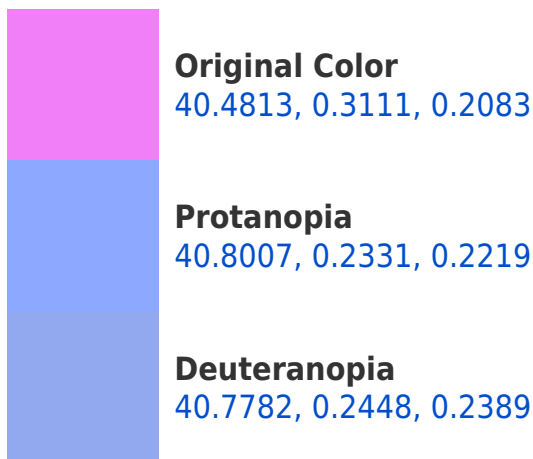


This preview shows how white text looks on a background with the Yxy color 40.4813, 0.3111, 0.2083.

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





Tritanopia

40.3410, 0.3856, 0.3164

Trichromacy



Original Color

40.4813, 0.3111, 0.2083



Protanomaly

39.0408, 0.2560, 0.2133



Deuteranomaly

39.2856, 0.2649, 0.2235



Tritanomaly

39.8414, 0.3577, 0.2721

Monochromacy



Original Color

40.4813, 0.3111, 0.2083



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

40.8601, 0.3125, 0.2749

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.4813, 0.3111, 0.2083 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(240, 127, 248)` looks like.

```
.text, #text, p{  
    color:rgb(240, 127, 248)  
}
```

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(240, 127, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 127, 248) }
```

Border

The CSS property to change the border of an element to Yxy 40.4813, 0.3111, 0.2083 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(240, 127, 248) }
```

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

```
.border{ border-color:rgb(240, 127, 248) }
```

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

Here you see how a box with a 4 pixel rgb(240, 127, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 127, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 127, 248);  
box-shadow:4px 4px 4px 4px rgb(240, 127,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 40.4813, 0.3111, 0.2083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 127, 248) }
```

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

```
.background{ background-color: rgb(240,  
127, 248) }
```

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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