

Converting Colors

$Y_{xy}(48.8485, 0.3110, 0.2254)$

Have a look what the booklet for
Yxy(48.8485, 0.3110, 0.2254)
contains.

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Color

Yxy(48.8068, 0.3108, 0.2253)

Conversions

Conversions Part 1

Format	Color
Hex	F796FF
RGB	247, 150, 255
RGB Percent	97%, 59%, 100%
CMY	0.0312, 0.4119, 0.0000
CMYK	0.03, 0.41, 0.00, 0.00
HSL	295°, 100%, 79%
HSV	295°, 41%, 100%
XYZ	67.3287, 48.8068, 100.4948
YIQ	190.9730, 24.1070, 53.2190

Conversions

Conversions Part 2

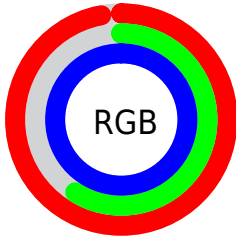
Format	Color
R_{YB}	247, 150, 255
Decimal	16226047
CIE _{Lab}	75.33, 52.05, -37.26
CIE _{LCh}	75, 64.009, 324.402
Yxy	48.8068, 0.3108, 0.2253
Android (android.graphics.Color)	4294416127 (0xFFFF796FF)
YUV	190.9730, 31.5653, 49.1357
Hunter-Lab	69.8619, 49.7694, -36.3841

Details

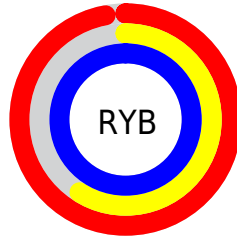
The Yxy color **48.8068, 0.3108, 0.2253** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **80.9828, 0.3111, 0.4552**, and the grayscale version is **51.8863, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6226, 0.3150, 0.2811**, and **23.2618, 0.3084, 0.2028** is the 20% darker color. If you saturate the color by 10%, you get **41.1884, 0.3097, 0.2025**, and if you desaturate by 10%, it is **58.2011, 0.3116, 0.2501**.

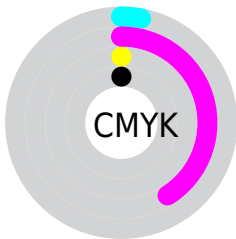
Distribution



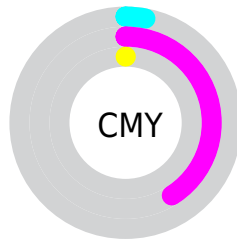
- Red (97%)
- Green (59%)
- Blue (100%)



- Red (97%)
- Yellow (59%)
- Blue (100%)



- Cyan (3%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)





- Cyan (3%)
- Magenta (41%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.8068, 0.3108, 0.2253 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 48.8068, 0.3108, 0.2253 by changing the saturation by 10% instead.


 48.8068, 0.3108,
0.2253


 48.8068, 0.3108,
0.2253

381.9812, 0.3134,
0.2718

 34.4662, 0.3098,
0.2152


 88.4044, 0.3120,
0.2411

 23.2520, 0.3083,
0.2029


 114.4303, 0.3124,
0.2473

 14.7797, 0.3062,
0.1879


145.1201, 0.3127,
0.2527

 8.6649, 0.3028,
0.1690

180.8582, 0.3129,
0.2575

 4.5233, 0.2974,
0.1450

222.0289, 0.3131,
0.2617

 1.9704, 0.2878,
0.1139

269.0167, 0.3132,

 0.5902, 0.2708,

0.2654

0.0704

322.2061, 0.3133,
0.2688

0.0000, 0.2381,
0.0000

0.0000, 0.0000,
0.0000

48.8068, 0.3108,
0.2253

48.8068, 0.3108,
0.2253

41.1884, 0.3097,
0.2025

58.2011, 0.3116,
0.2501

35.2270, 0.3084,
0.1825

69.4741, 0.3122,
0.2757

30.7938, 0.3069,
0.1663

82.7241, 0.3125,
0.3013

27.7395, 0.3052,
0.1544

98.0417, 0.3127,
0.3261

■ 25.8849, 0.3033,
0.1470

100.0000, 0.3127,
0.3290

■ 25.0006, 0.3016,
0.1435

Harmonies

Analogous

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



48.8068, 0.2331, 0.2018



48.8068, 0.3108, 0.2253



48.8068, 0.4013, 0.2692

Triad

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



48.8068, 0.3108, 0.2253



48.8068, 0.4476, 0.4492



48.8068, 0.1769, 0.3010

Complementary

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



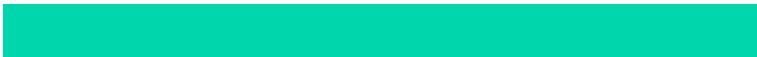
48.8068, 0.3108, 0.2253



80.9828, 0.3111, 0.4552

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.



48.8068, 0.2217, 0.3962



48.8068, 0.3108, 0.2253



48.8068, 0.3775, 0.4893

Square

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



48.8068, 0.3108, 0.2253



48.8068, 0.4845, 0.3886



48.8068, 0.2950, 0.4749



48.8068, 0.1652, 0.2342

Rectangle

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



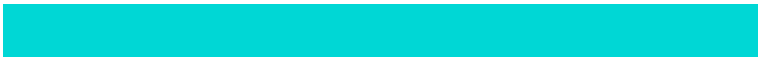
48.8068, 0.3108, 0.2253



48.8068, 0.4515, 0.3063



48.8068, 0.2950, 0.4749



48.8068, 0.1881, 0.3309

Sweetspot

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



48.8077, 0.3108, 0.2253



81.5698, 0.3125, 0.2992



38.4042, 0.2373, 0.2120



17.0688, 0.3125, 0.2959



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.



48.8077, 0.3108, 0.2253



42.7084, 0.3100, 0.2072



47.7799, 0.3565, 0.2664



18.2263, 0.3126, 0.3055



13.0928, 0.3019, 0.1437



1.2948, 0.3042, 0.1450

Inverse Universe

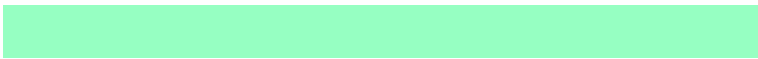
The Inverse Universe completely reimagines the original color for something new.



45.5308, 0.4110, 0.3209



39.1176, 0.4407, 0.3197



81.8848, 0.2851, 0.4023



18.0094, 0.3282, 0.3272



11.1418, 0.6322, 0.3256



1.0922, 0.6151, 0.3162

Previews

White Background



This preview shows how the Yxy color 48.8068, 0.3108, 0.2253 looks on a white background.

Color Contrast Check

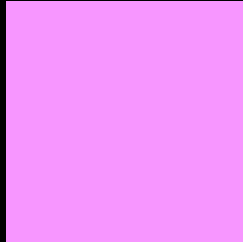
Large Text (above 18pt) WCAG AA × Fail

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 48.8068, 0.3108, 0.2253 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

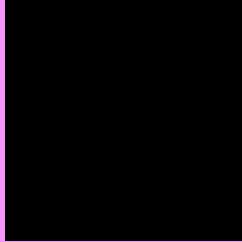
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.8068, 0.3108, 0.2253

Background



This preview shows how black text looks on a background with the Yxy color 48.8068, 0.3108, 0.2253.



This preview shows how white text looks on a background with the Yxy color 48.8068, 0.3108, 0.2253.

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

48.8068, 0.3108, 0.2253

Protanopia

49.3935, 0.2508, 0.2453

Deuteranopia

49.1415, 0.2571, 0.2507



Tritanopia

48.5316, 0.3676, 0.3146

Trichromacy



Original Color

48.8068, 0.3108, 0.2253



Protanomaly

48.1944, 0.2695, 0.2360



Deuteranomaly

47.9612, 0.2742, 0.2391

Tritanomaly

48.3474, 0.3461, 0.2784

Monochromacy



Original Color

48.8068, 0.3108, 0.2253



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

49.7546, 0.3122, 0.2849

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.8068, 0.3108, 0.2253 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(247, 150, 255)` looks like.

```
.text, #text, p{  
    color:rgb(247, 150, 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(247, 150, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 150, 255) }
```

Border

The CSS property to change the border of an element to Yxy 48.8068, 0.3108, 0.2253 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(247, 150, 255) }
```

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

```
.border{ border-color:rgb(247, 150, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 150, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 150, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 150, 255);  
box-shadow:4px 4px 4px 4px rgb(247, 150,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 48.8068, 0.3108, 0.2253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 150, 255) }
```

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

```
.background{ background-color: rgb(247,  
150, 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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