

Converting Colors

$Y_{xy}(81.5828, 0.4112, 0.2494)$

Have a look what the booklet for
Yxy(81.5828, 0.4112, 0.2494)
contains.

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Color

Yxy(48.1249, 0.3178, 0.2213)

Conversions

Conversions Part 1

Format	Color
Hex	FF8FFF
RGB	255, 143, 255
RGB Percent	100%, 56%, 100%
CMY	0.0000, 0.4392, 0.0001
CMYK	0.00, 0.44, 0.00, 0.00
HSL	300°, 100%, 78%
HSV	300°, 44%, 100%
XYZ	69.1102, 48.1249, 100.2294
YIQ	189.2560, 30.8000, 58.5760

Conversions

Conversions Part 2

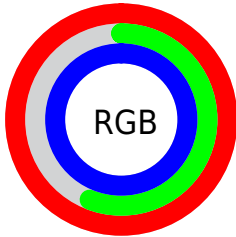
Format	Color
R _Y B	255, 143, 255
Decimal	16748543
CIE _{Lab}	74.90, 57.79, -37.82
CIE _{LCh}	75, 69.064, 326.793
Yxy	48.1249, 0.3178, 0.2213
Android (android.graphics.Color)	4294938623 (0xFFFF8FFF)
YUV	189.2560, 32.4118, 57.6575
Hunter-Lab	69.3721, 56.4250, -37.1022

Details

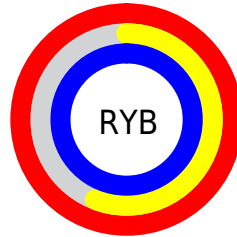
The Yxy color **48.1249, 0.3178, 0.2213** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **79.3447, 0.3062, 0.4668**, and the grayscale version is **50.8411, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.3268, 0.3153, 0.2742**, and **22.7924, 0.3165, 0.1979** is the 20% darker color. If you saturate the color by 10%, you get **41.3191, 0.3188, 0.2005**, and if you desaturate by 10%, it is **56.6720, 0.3167, 0.2446**.

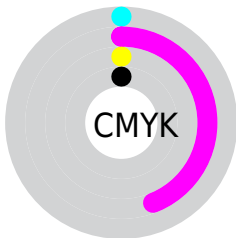
Distribution



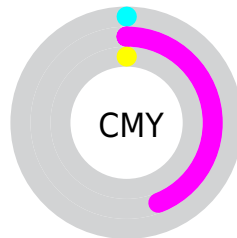
- Red (100%)
- Green (56%)
- Blue (100%)



- Red (100%)
- Yellow (56%)
- Blue (100%)



- Cyan (0%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (44%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.1249, 0.3178, 0.2213 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 48.1249, 0.3178, 0.2213 by changing the saturation by 10% instead.

 48.1249, 0.3178,
0.2213


 48.1249, 0.3178,
0.2213


379.2870, 0.3172,
0.2693

 33.9258, 0.3175,
0.2109


 87.3903, 0.3180,
0.2375

 22.8366, 0.3169,
0.1983


 113.2255, 0.3179,
0.2440

 14.4729, 0.3158,
0.1829


143.7081, 0.3178,
0.2496

 8.4503, 0.3138,
0.1637

179.2226, 0.3177,
0.2545

 4.3844, 0.3102,
0.1394

220.1533, 0.3176,
0.2589

 1.8908, 0.3030,
0.1082

266.8847, 0.3175,

 0.5429, 0.2898,

0.2627

0.0640

319.8011, 0.3174,
0.2662

0.0000, 0.2615,
0.0000

0.0000, 0.0000,
0.0000

48.1249, 0.3178,
0.2213

48.1249, 0.3178,
0.2213

41.3191, 0.3188,
0.2005

56.6720, 0.3167,
0.2446

36.1331, 0.3196,
0.1830

67.0664, 0.3155,
0.2693

32.4330, 0.3202,
0.1695

79.4082, 0.3143,
0.2945

30.0629, 0.3207,
0.1605

93.7898, 0.3132,
0.3195

■ 28.8322, 0.3209,
0.1556

100.0000, 0.3127,
0.3290

■ 28.4758, 0.3210,
0.1542

Harmonies

Analogous

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



48.1249, 0.2325, 0.1945



48.1249, 0.3178, 0.2213



48.1249, 0.4159, 0.2690

Triad

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



48.1249, 0.3178, 0.2213



48.1249, 0.4511, 0.4608



48.1249, 0.1651, 0.2904

Complementary

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



48.1249, 0.3178, 0.2213



79.3447, 0.3062, 0.4668

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.



48.1249, 0.2092, 0.3934



48.1249, 0.3178, 0.2213



48.1249, 0.3736, 0.5039

Square

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



48.1249, 0.3178, 0.2213



48.1249, 0.4959, 0.3957



48.1249, 0.2853, 0.4844



48.1249, 0.1560, 0.2226

Rectangle

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



48.1249, 0.3178, 0.2213



48.1249, 0.4682, 0.3085



48.1249, 0.2853, 0.4844



48.1249, 0.1758, 0.3220

Sweetspot

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



48.1256, 0.3178, 0.2213



80.6424, 0.3142, 0.2968



32.7079, 0.2296, 0.1915



16.6320, 0.3145, 0.2913



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.



48.1256, 0.3178, 0.2213



41.8747, 0.3187, 0.2023



45.0312, 0.3699, 0.2714



18.3003, 0.3138, 0.3056



14.8793, 0.3210, 0.1542



1.4488, 0.3210, 0.1542

Inverse Universe

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



48.1256, 0.3178, 0.2213



41.8747, 0.3187, 0.2023



81.4841, 0.2791, 0.3963



18.3003, 0.3138, 0.3056



14.8793, 0.3210, 0.1542



1.4488, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 48.1249, 0.3178, 0.2213 looks on a white background.

Color Contrast Check

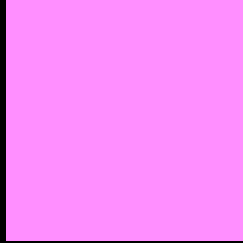
Large Text (above 18pt) WCAG AA × Fail

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 48.1249, 0.3178, 0.2213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

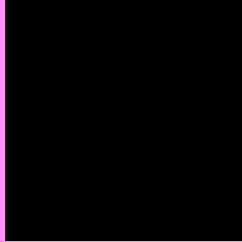
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.1249, 0.3178, 0.2213

Background



This preview shows how black text looks on a background with the Yxy color 48.1249, 0.3178, 0.2213.



This preview shows how white text looks on a background with the Yxy color 48.1249, 0.3178, 0.2213.

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

48.1249, 0.3178, 0.2213

Protanopia

48.7684, 0.2494, 0.2438

Deuteranopia

48.4487, 0.2562, 0.2503



Tritanopia

47.9193, 0.3822, 0.3161

Trichromacy



Original Color

48.1249, 0.3178, 0.2213



Protanomaly

46.9610, 0.2706, 0.2318



Deuteranomaly

47.1124, 0.2755, 0.2361

Tritanomaly

47.5627, 0.3582, 0.2775

Monochromacy



Original Color

48.1249, 0.3178, 0.2213



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

48.4553, 0.3149, 0.2815

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1249, 0.3178, 0.2213 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, 143, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 143, 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(255, 143, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 143, 255) }
```

Border

The CSS property to change the border of an element to Yxy 48.1249, 0.3178, 0.2213 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, 143, 255) }
```

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

```
.border{ border-color:rgb(255, 143, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 143, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 143, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 143, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 143,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 48.1249, 0.3178, 0.2213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 143, 255) }
```

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

```
.background{ background-color: rgb(255,  
143, 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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