

Converting Colors

$Y_{xy}(50.1452, 0.2859, 0.1959)$

Have a look what the booklet for
Yxy(50.1452, 0.2859, 0.1959)
contains.

Yxy(47.7342, 0.3117, 0.2220)	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(47.7342, 0.3117, 0.2220)

Conversions

Conversions Part 1

Format	Color
Hex	F892FF
RGB	248, 146, 255
RGB Percent	97%, 57%, 100%
CMY	0.0277, 0.4273, 0.0001
CMYK	0.03, 0.43, 0.00, 0.00
HSL	296°, 100%, 79%
HSV	296°, 43%, 100%
XYZ	67.0214, 47.7342, 100.2633
YIQ	188.9240, 25.8030, 55.5230

Conversions

Conversions Part 2

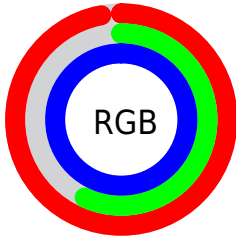
Format	Color
R _Y B	248, 146, 255
Decimal	16290559
CIE _{Lab}	74.66, 54.27, -38.27
CIE _{LCh}	75, 66.410, 324.810
Yxy	47.7342, 0.3117, 0.2220
Android (android.graphics.Color)	4294480639 (0xFFFF892FF)
YUV	188.9240, 32.5755, 51.8097
Hunter-Lab	69.0899, 52.2483, -37.6787

Details

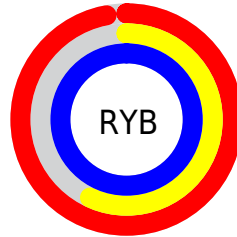
The Yxy color **47.7342, 0.3117, 0.2220** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **80.3571, 0.3103, 0.4610**, and the grayscale version is **50.6461, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.7211, 0.3151, 0.2772**, and **22.6787, 0.3096, 0.1991** is the 20% darker color. If you saturate the color by 10%, you get **40.4305, 0.3109, 0.1997**, and if you desaturate by 10%, it is **56.7975, 0.3123, 0.2464**.

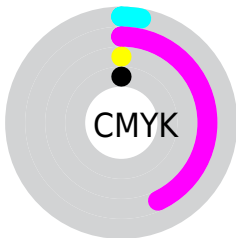
Distribution



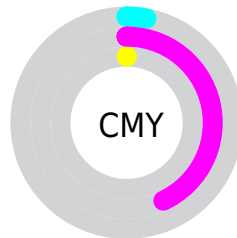
- Red (97%)
- Green (57%)
- Blue (100%)



- Red (97%)
- Yellow (57%)
- Blue (100%)



- Cyan (3%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)




- Cyan (3%)
- Magenta (43%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.7342, 0.3117, 0.2220 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 47.7342, 0.3117, 0.2220 by changing the saturation by 10% instead.


 47.7342, 0.3117,
0.2220


 47.7342, 0.3117,
0.2220


377.7376, 0.3140,
0.2699

 33.6164, 0.3107,
0.2116


 86.8085, 0.3129,
0.2382

 22.5991, 0.3093,
0.1990


 112.5339, 0.3132,
0.2447

 14.2978, 0.3072,
0.1835


142.8972, 0.3135,
0.2503

 8.3281, 0.3038,
0.1642

178.2830, 0.3136,
0.2552

 4.3056, 0.2983,
0.1397

219.0755, 0.3138,
0.2595

 1.8459, 0.2885,
0.1081

265.6591, 0.3139,

 0.5156, 0.2715,

0.2633

0.0625

318.4184, 0.3140,
0.2668

0.0000, 0.2357,
0.0000

0.0000, 0.0000,
0.0000

47.7342, 0.3117,
0.2220

47.7342, 0.3117,
0.2220

40.4305, 0.3109,
0.1997

56.7975, 0.3123,
0.2464

34.7624, 0.3099,
0.1805

67.7213, 0.3126,
0.2718

30.5996, 0.3086,
0.1652

80.6060, 0.3128,
0.2974

27.7891, 0.3072,
0.1542

95.5433, 0.3127,
0.3224

■ 26.1458, 0.3057,
0.1477

99.9981, 0.3127,
0.3290

■ 25.4863, 0.3045,
0.1451

Harmonies

Analogous

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



47.7342, 0.2307, 0.1974



47.7342, 0.3117, 0.2220



47.7342, 0.4064, 0.2675

Triad

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



47.7342, 0.3117, 0.2220



47.7342, 0.4514, 0.4537



47.7342, 0.1713, 0.2980

Complementary

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



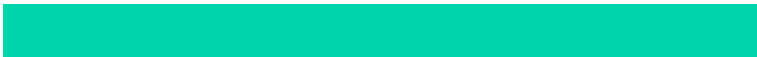
47.7342, 0.3117, 0.2220



80.3571, 0.3103, 0.4610

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.



47.7342, 0.2168, 0.3979



47.7342, 0.3117, 0.2220



47.7342, 0.3780, 0.4966

Square

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



47.7342, 0.3117, 0.2220



47.7342, 0.4912, 0.3905



47.7342, 0.2924, 0.4817



47.7342, 0.1600, 0.2294

Rectangle

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



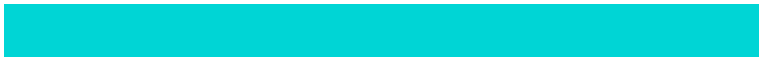
47.7342, 0.3117, 0.2220



47.7342, 0.4586, 0.3057



47.7342, 0.2924, 0.4817



47.7342, 0.1826, 0.3291

Sweetspot

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



47.7363, 0.3117, 0.2220



80.2396, 0.3128, 0.2967



36.2164, 0.2337, 0.2047



16.5313, 0.3127, 0.2910



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.



47.7363, 0.3117, 0.2220



41.5782, 0.3111, 0.2034



46.3689, 0.3605, 0.2659



18.2372, 0.3128, 0.3055



13.3461, 0.3048, 0.1453



1.3168, 0.3067, 0.1463

Inverse Universe

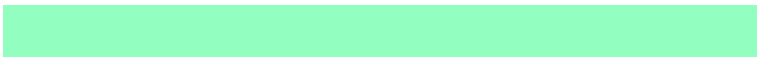
The Inverse Universe completely reimagines the original color for something new.



44.1285, 0.4178, 0.3220



37.6174, 0.4506, 0.3209



81.4776, 0.2834, 0.4033



18.0061, 0.3284, 0.3275



11.1362, 0.6335, 0.3264



1.0906, 0.6186, 0.3181

Previews

White Background



This preview shows how the Yxy color 47.7342, 0.3117, 0.2220 looks on a white background.

Color Contrast Check

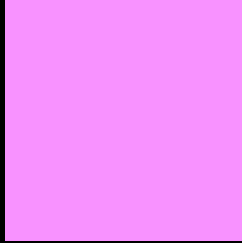
Large Text (above 18pt) WCAG AA × Fail

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 47.7342, 0.3117, 0.2220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

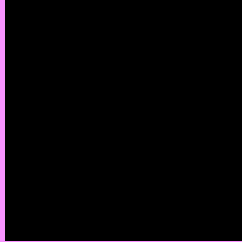
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.7342, 0.3117, 0.2220

Background



This preview shows how black text looks on a background with the Yxy color 47.7342, 0.3117, 0.2220.



This preview shows how white text looks on a background with the Yxy color 47.7342, 0.3117, 0.2220.

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

47.7342, 0.3117, 0.2220

Protanopia

48.2530, 0.2486, 0.2424

Deuteranopia

47.9320, 0.2554, 0.2489



Tritanopia

47.8627, 0.3719, 0.3158

Trichromacy



Original Color

47.7342, 0.3117, 0.2220



Protanomaly

46.9334, 0.2685, 0.2324



Deuteranomaly

46.7061, 0.2732, 0.2355

Tritanomaly

47.3990, 0.3494, 0.2774

Monochromacy



Original Color

47.7342, 0.3117, 0.2220



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

48.3929, 0.3123, 0.2823

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7342, 0.3117, 0.2220 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(248, 146, 255)` looks like.

```
.text, #text, p{  
    color:rgb(248, 146, 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(248, 146, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 146, 255) }
```

Border

The CSS property to change the border of an element to Yxy 47.7342, 0.3117, 0.2220 is called "border". The border property can be set on classes, ids or directly on the HTML element.

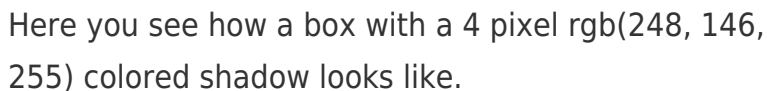
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(248, 146, 255) }
```

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

```
.border{ border-color:rgb(248, 146, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(248, 146, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(248, 146, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(248, 146, 255); box-shadow:4px 4px 4px 4px rgb(248, 146, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7342, 0.3117, 0.2220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 146, 255) }
```

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

```
.background{ background-color: rgb(248,  
146, 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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