

Converting Colors

$Y_{xy}(52.2120, 0.3438, 0.2320)$

Have a look what the booklet for
Yxy(52.2120, 0.3438, 0.2320)
contains.

Yxy(47.4456, 0.3229, 0.2252)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.4456, 0.3229, 0.2252)

Conversions

Conversions Part 1

Format	Color
Hex	FF8EF9
RGB	255, 142, 249
RGB Percent	100%, 56%, 98%
CMY	0.0000, 0.4433, 0.0235
CMYK	0.00, 0.44, 0.02, 0.00
HSL	303°, 100%, 78%
HSV	303°, 44%, 100%
XYZ	68.0292, 47.4456, 95.2072
YIQ	187.9850, 33.0010, 57.2330

Conversions

Conversions Part 2

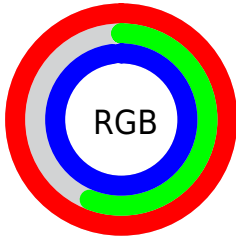
Format	Color
R _Y B	255, 142, 249
Decimal	16748281
CIE Lab	74.47, 57.28, -35.26
CIE LCh	74, 67.264, 328.386
Yxy	47.4456, 0.3229, 0.2252
Android (android.graphics.Color)	4294938361 (0xFFFF8EF9)
YUV	187.9850, 30.0804, 58.7722
Hunter-Lab	68.8808, 55.7520, -33.7343

Details

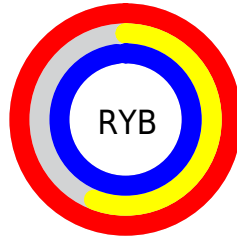
The Yxy color **47.4456, 0.3229, 0.2252** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **79.4044, 0.3034, 0.4611**, and the grayscale version is **50.0811, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.8682, 0.3153, 0.2732**, and **22.3579, 0.3234, 0.2026** is the 20% darker color. If you saturate the color by 10%, you get **40.6153, 0.3254, 0.2051**, and if you desaturate by 10%, it is **55.9939, 0.3203, 0.2476**.

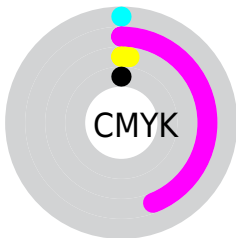
Distribution



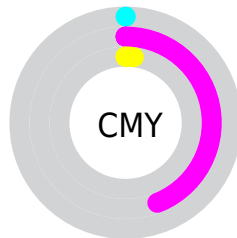
- Red (100%)
- Green (56%)
- Blue (98%)



- Red (100%)
- Yellow (56%)
- Blue (98%)



- Cyan (0%)
- Magenta (44%)
- Yellow (2%)
- Black (0%)





- Cyan (0%)
- Magenta (44%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.4456, 0.3229, 0.2252 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 47.4456, 0.3229, 0.2252 by changing the saturation by 10% instead.


 47.4456, 0.3229,
0.2252

 47.4456, 0.3229,
0.2252


376.5904, 0.3197,
0.2718

 33.3881, 0.3232,
0.2150


 86.3784, 0.3221,
0.2410

 22.4239, 0.3234,
0.2027


 112.0224, 0.3217,
0.2473

 14.1687, 0.3234,
0.1875


142.2974, 0.3213,
0.2527

 8.2381, 0.3227,
0.1684

177.5877, 0.3210,
0.2575

 4.2477, 0.3209,
0.1441

218.2778, 0.3206,
0.2617

 1.8131, 0.3164,
0.1124

264.7520, 0.3203,

 0.4953, 0.3076,

0.2655

317.3947, 0.3200,
0.2688

0.0650

0.0000, 0.2836,
0.0000

0.0000, 0.0000,
0.0000

47.4456, 0.3229,
0.2252

47.4456, 0.3229,
0.2252

40.6153, 0.3254,
0.2051

55.9939, 0.3203,
0.2476

35.4098, 0.3278,
0.1883

66.3956, 0.3179,
0.2712

31.6849, 0.3301,
0.1754

78.7414, 0.3157,
0.2953

29.2837, 0.3322,
0.1669

93.1239, 0.3136,
0.3190

■ 28.0136, 0.3340,
0.1628

100.0000, 0.3127,
0.3290

■ 27.6408, 0.3349,
0.1619

Harmonies

Analogous

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



47.4456, 0.2379, 0.1976



47.4456, 0.3229, 0.2252



47.4456, 0.4184, 0.2732

Triad

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



47.4456, 0.3229, 0.2252



47.4456, 0.4455, 0.4619



47.4456, 0.1665, 0.2869

Complementary

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



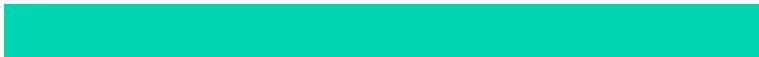
47.4456, 0.3229, 0.2252



79.4044, 0.3034, 0.4611

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.



47.4456, 0.2081, 0.3863



47.4456, 0.3229, 0.2252



47.4456, 0.3685, 0.5011

Square

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



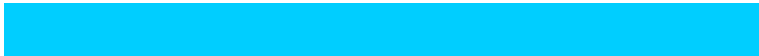
47.4456, 0.3229, 0.2252



47.4456, 0.4913, 0.3987



47.4456, 0.2817, 0.4773



47.4456, 0.1590, 0.2223

Rectangle

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



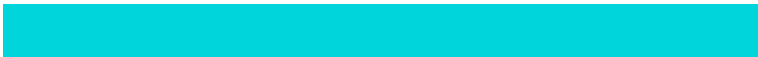
47.4456, 0.3229, 0.2252



47.4456, 0.4680, 0.3125



47.4456, 0.2817, 0.4773



47.4456, 0.1764, 0.3172

Sweetspot

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



47.4367, 0.3229, 0.2252



80.5304, 0.3154, 0.2985



32.8166, 0.2324, 0.1913



16.6040, 0.3158, 0.2932



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.



47.4367, 0.3229, 0.2252



41.4246, 0.3250, 0.2076



44.4389, 0.3766, 0.2765



18.2828, 0.3146, 0.3068



14.4501, 0.3347, 0.1617



1.4119, 0.3330, 0.1608

Inverse Universe

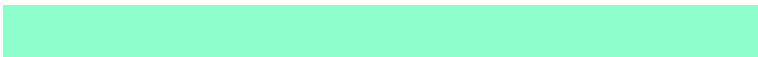
The Inverse Universe completely reimagines the original color for something new.



47.4367, 0.3229, 0.2252



41.4246, 0.3250, 0.2076



81.6340, 0.2762, 0.3899



18.2828, 0.3146, 0.3068



14.4501, 0.3347, 0.1617



1.4119, 0.3330, 0.1608

Previews

White Background



This preview shows how the Yxy color 47.4456, 0.3229, 0.2252 looks on a white background.

Color Contrast Check

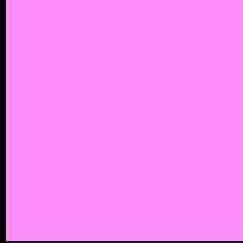
Large Text (above 18pt) WCAG AA × Fail

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 47.4456, 0.3229, 0.2252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

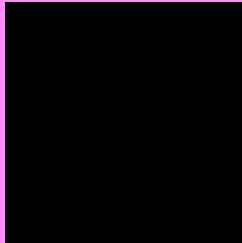
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.4456, 0.3229, 0.2252

Background



This preview shows how black text looks on a background with the Yxy color 47.4456, 0.3229, 0.2252.



This preview shows how white text looks on a background with the Yxy color 47.4456, 0.3229, 0.2252.

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

47.4456, 0.3229, 0.2252

Protanopia

47.7413, 0.2478, 0.2411

Deuteranopia

47.8936, 0.2609, 0.2555



Tritanopia

47.1490, 0.3849, 0.3161

Trichromacy



Original Color

47.4456, 0.3229, 0.2252



Protanomaly

46.3314, 0.2711, 0.2323



Deuteranomaly

46.5094, 0.2802, 0.2408



Tritanomaly

47.0457, 0.3623, 0.2805

Monochromacy



Original Color

47.4456, 0.3229, 0.2252



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

47.7760, 0.3166, 0.2835

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.4456, 0.3229, 0.2252 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, 142, 249)` looks like.

```
.text, #text, p{  
    color:rgb(255, 142, 249)  
}
```

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, 142, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 142, 249) }
```

Border

The CSS property to change the border of an element to Yxy 47.4456, 0.3229, 0.2252 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, 142, 249) }
```

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

```
.border{ border-color:rgb(255, 142, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 142, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 142, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 142, 249);  
box-shadow:4px 4px 4px 4px rgb(255, 142,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 47.4456, 0.3229, 0.2252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 142, 249) }
```

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

```
.background{ background-color: rgb(255,  
142, 249) }
```

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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