

Converting Colors

$Y_{xy}(50.7135, 0.3202, 0.2321)$

Have a look what the booklet for
Yxy(50.7135, 0.3202, 0.2321)
contains.

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Color

Yxy(50.7447, 0.3198, 0.2317)

Conversions

Conversions Part 1

Format	Color
Hex	FF98FC
RGB	255, 152, 252
RGB Percent	100%, 60%, 99%
CMY	0.0000, 0.4039, 0.0116
CMYK	0.00, 0.40, 0.01, 0.00
HSL	302°, 100%, 80%
HSV	302°, 40%, 100%
XYZ	70.0395, 50.7447, 98.2261
YIQ	194.1970, 29.2880, 52.9360

Conversions

Conversions Part 2

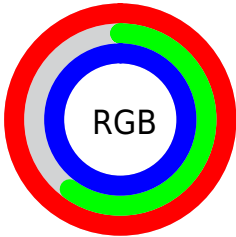
Format	Color
R _Y B	255, 152, 252
Decimal	16750844
CIE Lab	76.52, 52.81, -33.73
CIE LCh	77, 62.658, 327.436
Yxy	50.7447, 0.3198, 0.2317
Android (android.graphics.Color)	4294940924 (0xFFFF98FC)
YUV	194.1970, 28.4969, 53.3242
Hunter-Lab	71.2353, 50.8418, -31.8901

Details

The Yxy color **50.7447, 0.3198, 0.2317** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **80.5540, 0.3054, 0.4504**, and the grayscale version is **53.8884, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.5918, 0.3149, 0.2831**, and **24.4113, 0.3194, 0.2108** is the 20% darker color. If you saturate the color by 10%, you get **43.2939, 0.3216, 0.2103**, and if you desaturate by 10%, it is **59.9792, 0.3180, 0.2551**.

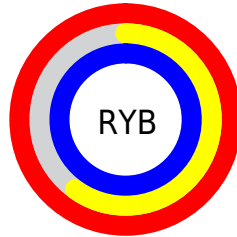
Distribution



Red (100%)

Green (60%)

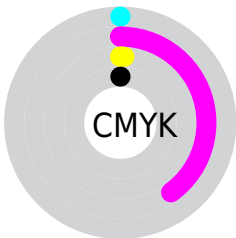
Blue (99%)



Red (100%)

Yellow (60%)

Blue (99%)

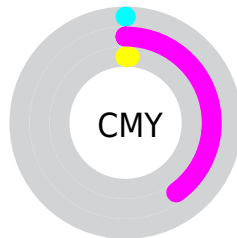


Cyan (0%)

Magenta (40%)

Yellow (1%)

Black (0%)



Cyan (0%)


Magenta (40%)

Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.7447, 0.3198, 0.2317 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 50.7447, 0.3198, 0.2317 by changing the saturation by 10% instead.


 50.7447, 0.3198,
0.2317


 50.7447, 0.3198,
0.2317


389.5711, 0.3179,
0.2753

 36.0055, 0.3199,
0.2222


 91.2773, 0.3194,
0.2465

 24.4384, 0.3198,
0.2107


 117.8394, 0.3192,
0.2523

 15.6592, 0.3194,
0.1965


149.1113, 0.3190,
0.2574

 9.2833, 0.3185,
0.1787

185.4774, 0.3188,
0.2619

 4.9264, 0.3164,
0.1558

227.3220, 0.3185,
0.2658

 2.2042, 0.3119,
0.1258

275.0296, 0.3183,

 0.7223, 0.3019,

0.2693

0.0851

328.9844, 0.3181,
0.2724

0.0000, 0.2867,
0.0000

0.0000, 0.0000,
0.0000

50.7447, 0.3198,
0.2317

50.7447, 0.3198,
0.2317

43.2939, 0.3216,
0.2103

59.9792, 0.3180,
0.2551

37.5050, 0.3234,
0.1918

71.0954, 0.3161,
0.2795

33.2515, 0.3249,
0.1771

84.1925, 0.3144,
0.3041

30.3863, 0.3263,
0.1667

99.3603, 0.3128,
0.3281

■ 28.7331, 0.3275,
0.1606

99.9978, 0.3127,
0.3290

■ 28.0148, 0.3284,
0.1583

Harmonies

Analogous

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



50.7447, 0.2420, 0.2065



50.7447, 0.3198, 0.2317



50.7447, 0.4067, 0.2763

Triad

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



50.7447, 0.3198, 0.2317



50.7447, 0.4382, 0.4515



50.7447, 0.1782, 0.2942

Complementary

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



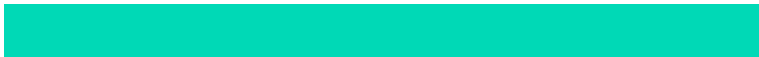
50.7447, 0.3198, 0.2317



80.5540, 0.3054, 0.4504

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.



50.7447, 0.2189, 0.3843



50.7447, 0.3198, 0.2317



50.7447, 0.3683, 0.4855

Square

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



50.7447, 0.3198, 0.2317



50.7447, 0.4777, 0.3939



50.7447, 0.2881, 0.4641



50.7447, 0.1697, 0.2327

Rectangle

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



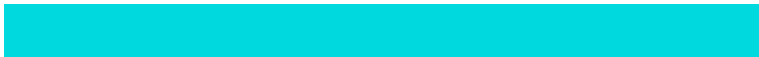
50.7447, 0.3198, 0.2317



50.7447, 0.4526, 0.3132



50.7447, 0.2881, 0.4641



50.7447, 0.1881, 0.3221

Sweetspot

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



50.7470, 0.3198, 0.2317



81.9502, 0.3147, 0.3002



36.5209, 0.2384, 0.2046



17.1590, 0.3149, 0.2970



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.



50.7470, 0.3198, 0.2317



44.9216, 0.3212, 0.2152



47.9705, 0.3653, 0.2777



18.2908, 0.3143, 0.3062



14.6439, 0.3282, 0.1582



1.4286, 0.3273, 0.1577

Inverse Universe

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



50.7470, 0.3198, 0.2317



44.9216, 0.3212, 0.2152



82.6069, 0.2805, 0.3877



18.2908, 0.3143, 0.3062



14.6439, 0.3282, 0.1582



1.4286, 0.3273, 0.1577

Previews

White Background



This preview shows how the Yxy color 50.7447, 0.3198, 0.2317 looks on a white background.

Color Contrast Check

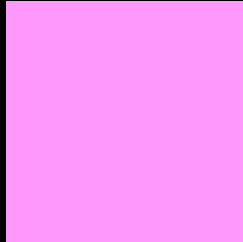
Large Text (above 18pt) WCAG AA × Fail

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 50.7447, 0.3198, 0.2317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

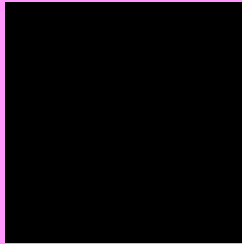
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.7447, 0.3198, 0.2317

Background



This preview shows how black text looks on a background with the Yxy color 50.7447, 0.3198, 0.2317.



This preview shows how white text looks on a background with the Yxy color 50.7447, 0.3198, 0.2317.

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

50.7447, 0.3198, 0.2317

Protanopia

51.1957, 0.2544, 0.2496

Deuteranopia

51.1187, 0.2646, 0.2585



Tritanopia

50.5256, 0.3746, 0.3151

Trichromacy



Original Color

50.7447, 0.3198, 0.2317



Protanomaly

49.7072, 0.2747, 0.2402



Deuteranomaly

50.0286, 0.2824, 0.2468



Tritanomaly

50.4366, 0.3539, 0.2828

Monochromacy



Original Color

50.7447, 0.3198, 0.2317



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

51.7454, 0.3155, 0.2879

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.7447, 0.3198, 0.2317 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, 152, 252)` looks like.

```
.text, #text, p{  
    color:rgb(255, 152, 252)  
}
```

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, 152, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 152, 252) }
```

Border

The CSS property to change the border of an element to Yxy 50.7447, 0.3198, 0.2317 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, 152, 252) }
```

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

```
.border{ border-color:rgb(255, 152, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 152, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 152, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 152, 252);  
box-shadow:4px 4px 4px 4px rgb(255, 152,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 50.7447, 0.3198, 0.2317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 152, 252) }
```

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

```
.background{ background-color: rgb(255,  
152, 252) }
```

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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