

Converting Colors

$Y_{xy}(42.6067, 0.3272, 0.2198)$

Have a look what the booklet for
Yxy(42.6067, 0.3272, 0.2198)
contains.

Yxy(42.5606, 0.3271, 0.2192)	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(42.5606, 0.3271, 0.2192)

Conversions

Conversions Part 1

Format	Color
Hex	FB81F1
RGB	251, 129, 241
RGB Percent	98%, 51%, 95%
CMY	0.0157, 0.4941, 0.0549
CMYK	0.00, 0.49, 0.04, 0.02
HSL	305°, 94%, 75%
HSV	305°, 49%, 98%
XYZ	63.5108, 42.5606, 88.0919
YIQ	178.2460, 36.7600, 60.6960

Conversions

Conversions Part 2

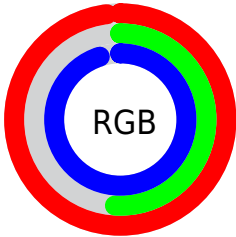
Format	Color
R _Y B	251, 129, 241
Decimal	16482801
CIE Lab	71.26, 61.02, -35.92
CIE LCh	71, 70.811, 329.518
Yxy	42.5606, 0.3271, 0.2192
Android (android.graphics.Color)	4294672881 (0xFFFB81F1)
YUV	178.2460, 30.9377, 63.8053
Hunter-Lab	65.2385, 59.6056, -34.3927

Details

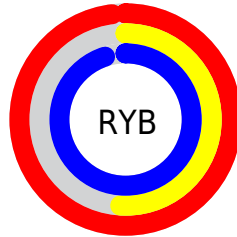
The Yxy color $42.5606, 0.3271, 0.2192$ is a light color, and the websafe version is hex $FF99FF$. A complement of this color would be $75.5245, 0.3009, 0.4714$, and the grayscale version is $44.4781, 0.3127, 0.3290$.

A 20% lighter version of the original color is $63.1779, 0.3159, 0.2604$, and $19.4743, 0.3279, 0.1942$ is the 20% darker color. If you saturate the color by 10%, you get $36.6200, 0.3305, 0.2007$, and if you desaturate by 10%, it is $50.1302, 0.3237, 0.2403$.

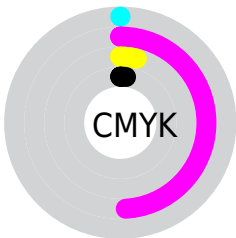
Distribution



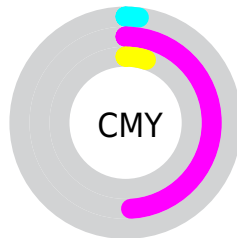
- Red (98%)
- Green (51%)
- Blue (95%)



- Red (98%)
- Yellow (51%)
- Blue (95%)



- Cyan (0%)
- Magenta (49%)
- Yellow (4%)
- Black (2%)




- Cyan (2%)
- Magenta (49%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.5606, 0.3271, 0.2192 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 42.5606, 0.3271, 0.2192 by changing the saturation by 10% instead.


 42.5606, 0.3271,
0.2192

 42.5606, 0.3271,
0.2192


356.8016, 0.3220,
0.2691

 29.5405, 0.3278,
0.2082


 79.0474, 0.3257,
0.2362

 19.4901, 0.3285,
0.1948


 103.2828, 0.3250,
0.2429

 12.0249, 0.3289,
0.1784


 132.0255, 0.3244,
0.2487

 6.7607, 0.3289,
0.1576

165.6599, 0.3239,
0.2538

 3.3129, 0.3276,
0.1311

204.5703, 0.3234,
0.2583

 1.2972, 0.3232,
0.0969

249.1411, 0.3229,

 0.1390, 0.3209,

0.2623

0.0236

299.7567, 0.3224,
0.2659

■ 0.0000, 0.2692,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.5606, 0.3271,
0.2192

■ 42.5606, 0.3271,
0.2192

■ 36.6200, 0.3305,
0.2007

■ 50.1302, 0.3237,
0.2403

■ 32.1814, 0.3339,
0.1858

■ 59.4318, 0.3205,
0.2630

■ 29.1090, 0.3371,
0.1750

■ 70.5665, 0.3175,
0.2863

■ 27.2393, 0.3400,
0.1687

■ 83.6264, 0.3148,
0.3096

■ 26.3392, 0.3427,
0.1665

■ 98.6971, 0.3124,
0.3321

■ 26.2468, 0.3431,
0.1664

■ 99.1423, 0.3112,
0.3306

■ 99.2488, 0.3102,
0.3290

Harmonies

Analogous

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



42.5606, 0.2345, 0.1890



42.5606, 0.3271, 0.2192



42.5606, 0.4314, 0.2705

Triad

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



42.5606, 0.3271, 0.2192



42.5606, 0.4512, 0.4725



42.5606, 0.1547, 0.2785

Complementary

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



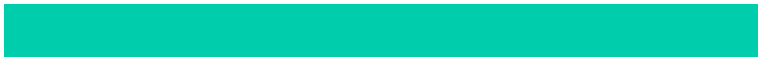
42.5606, 0.3271, 0.2192



75.5245, 0.3009, 0.4714

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.



42.5606, 0.1967, 0.3870



42.5606, 0.3271, 0.2192



42.5606, 0.3670, 0.5171

Square

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



42.5606, 0.3271, 0.2192



42.5606, 0.5042, 0.4035



42.5606, 0.2741, 0.4904



42.5606, 0.1488, 0.2115

Rectangle

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



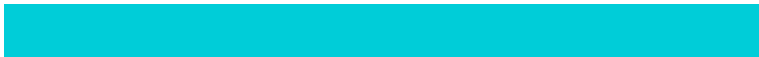
42.5606, 0.3271, 0.2192



42.5606, 0.4844, 0.3122



42.5606, 0.2741, 0.4904



42.5606, 0.1645, 0.3109

Sweetspot

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



42.5625, 0.3271, 0.2192



77.7768, 0.3165, 0.2947



27.9976, 0.2248, 0.1768



16.0588, 0.3171, 0.2898



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.



42.5625, 0.3271, 0.2192



38.2606, 0.3303, 0.2017



39.5832, 0.3879, 0.2739



17.4986, 0.3151, 0.3075



13.8072, 0.3427, 0.1661



1.2858, 0.3398, 0.1645

Inverse Universe

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



42.5625, 0.3271, 0.2192



38.2606, 0.3303, 0.2017



77.7439, 0.2726, 0.3943



17.4986, 0.3151, 0.3075



13.8072, 0.3427, 0.1661



1.2858, 0.3398, 0.1645

Previews

White Background



This preview shows how the Yxy color 42.5606, 0.3271, 0.2192 looks on a white background.

Color Contrast Check

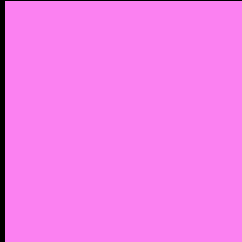
Large Text (above 18pt) WCAG AA × Fail

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 42.5606, 0.3271, 0.2192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

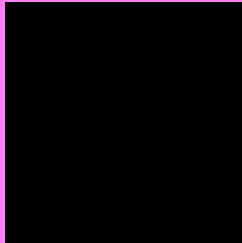
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.5606, 0.3271, 0.2192

Background



This preview shows how black text looks on a background with the Yxy color 42.5606, 0.3271, 0.2192.



This preview shows how white text looks on a background with the Yxy color 42.5606, 0.3271, 0.2192.

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

42.5606, 0.3271, 0.2192

Protanopia

42.9281, 0.2381, 0.2280

Deuteranopia

42.7592, 0.2581, 0.2522



Tritanopia

42.3838, 0.3974, 0.3170

Trichromacy



Original Color

42.5606, 0.3271, 0.2192



Protanomaly

40.9933, 0.2644, 0.2205



Deuteranomaly

41.0395, 0.2794, 0.2352



Tritanomaly

42.1364, 0.3713, 0.2776

Monochromacy



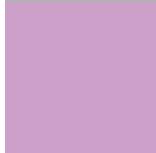
Original Color

42.5606, 0.3271, 0.2192



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

42.3378, 0.3187, 0.2794

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.5606, 0.3271, 0.2192 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(251, 129, 241)` looks like.

```
.text, #text, p{  
    color:rgb(251, 129, 241)  
}
```

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(251, 129, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 129, 241) }
```

Border

The CSS property to change the border of an element to Yxy 42.5606, 0.3271, 0.2192 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(251, 129, 241) }
```

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

```
.border{ border-color:rgb(251, 129, 241) }
```

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

Here you see how a box with a 4 pixel rgb(251, 129, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 129, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 129, 241);  
box-shadow:4px 4px 4px 4px rgb(251, 129,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 42.5606, 0.3271, 0.2192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 129, 241) }
```

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

```
.background{ background-color: rgb(251,  
129, 241) }
```

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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