

Converting Colors

$Y_{xy}(42.5434, 0.3266, 0.2296)$

Have a look what the booklet for
Yxy(42.5434, 0.3266, 0.2296)
contains.

Yxy(42.5462, 0.3266, 0.2298)	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(42.5462, 0.3266, 0.2298)

Conversions

Conversions Part 1

Format	Color
Hex	F388E9
RGB	243, 136, 233
RGB Percent	95%, 53%, 91%
CMY	0.0472, 0.4666, 0.0862
CMYK	0.00, 0.44, 0.04, 0.05
HSL	306°, 82%, 74%
HSV	306°, 44%, 95%
XYZ	60.4682, 42.5462, 82.1301
YIQ	179.0510, 32.6350, 52.8510

Conversions

Conversions Part 2

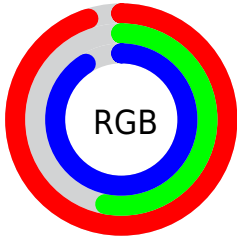
Format	Color
R_{YB}	243, 136, 233
Decimal	15960297
CIE _{Lab}	71.25, 53.97, -31.63
CIE _{LCh}	71, 62.559, 329.624
Yxy	42.5462, 0.3266, 0.2298
Android (android.graphics.Color)	4294150377 (0xFFFF388E9)
YUV	179.0510, 26.5969, 56.0833
Hunter-Lab	65.2274, 51.3279, -28.9948

Details

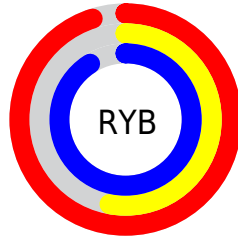
The Yxy color **42.5462, 0.3266, 0.2298** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **71.3933, 0.3013, 0.4540**, and the grayscale version is **44.9532, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.1793, 0.3156, 0.2673**, and **19.5232, 0.3286, 0.2072** is the 20% darker color. If you saturate the color by 10%, you get **36.3330, 0.3303, 0.2102**, and if you desaturate by 10%, it is **50.3160, 0.3230, 0.2515**.

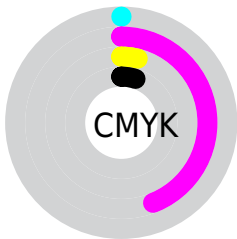
Distribution



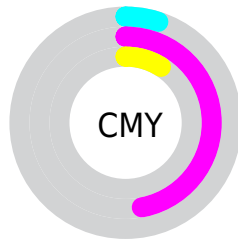
- Red (95%)
- Green (53%)
- Blue (91%)



- Red (95%)
- Yellow (53%)
- Blue (91%)



- Cyan (0%)
- Magenta (44%)
- Yellow (4%)
- Black (5%)



- Cyan (5%)
- Magenta (47%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.5462, 0.3266, 0.2298 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 42.5462, 0.3266, 0.2298 by changing the saturation by 10% instead.


 42.5462, 0.3266,
0.2298

 42.5462, 0.3266,
0.2298


356.7422, 0.3214,
0.2755


 29.5292, 0.3275,
0.2195


 79.0256, 0.3250,
0.2455

 19.4815, 0.3283,
0.2070


 103.2568, 0.3244,
0.2517

 12.0187, 0.3291,
0.1913


 131.9949, 0.3237,
0.2570

 6.7564, 0.3296,
0.1713

165.6243, 0.3232,
0.2617

 3.3102, 0.3292,
0.1452

204.5293, 0.3227,
0.2658

 1.2958, 0.3263,
0.1104

249.0943, 0.3222,

 0.1379, 0.3285,

0.2694

0.0282

299.7038, 0.3218,
0.2726

■ 0.0000, 0.2531,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.5462, 0.3266,
0.2298

■ 42.5462, 0.3266,
0.2298

■ 36.3330, 0.3303,
0.2102

■ 50.3160, 0.3230,
0.2515

■ 31.5644, 0.3341,
0.1936

■ 59.7328, 0.3196,
0.2744


■ 28.1229, 0.3378,
0.1810


■ 70.8869, 0.3165,
0.2975

■ 25.8700, 0.3413,
0.1727

■ 83.8605, 0.3137,
0.3201

 24.6367, 0.3445,
0.1688

 97.1204, 0.3114,
0.3395

 24.2359, 0.3463,
0.1681

 97.2588, 0.3101,
0.3372

 97.3989, 0.3088,
0.3350

 97.5407, 0.3075,
0.3328

 97.6842, 0.3063,
0.3306

Harmonies

Analogous

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



42.5462, 0.2432, 0.2019



42.5462, 0.3266, 0.2298



42.5462, 0.4182, 0.2773

Triad

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



42.5462, 0.3266, 0.2298



42.5462, 0.4393, 0.4607



42.5462, 0.1698, 0.2855

Complementary

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



42.5462, 0.3266, 0.2298



71.3933, 0.3013, 0.4540

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.



42.5462, 0.2093, 0.3801



42.5462, 0.3266, 0.2298



42.5462, 0.3641, 0.4955

Square

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



42.5462, 0.3266, 0.2298



42.5462, 0.4848, 0.4003



42.5462, 0.2799, 0.4687



42.5462, 0.1637, 0.2241

Rectangle

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



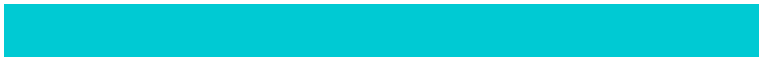
42.5462, 0.3266, 0.2298



42.5462, 0.4649, 0.3160



42.5462, 0.2799, 0.4687



42.5462, 0.1792, 0.3143

Sweetspot

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



42.5481, 0.3266, 0.2298



80.4459, 0.3162, 0.2997



30.0976, 0.2358, 0.1937



16.5829, 0.3169, 0.2946



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.



42.5481, 0.3266, 0.2298



41.0934, 0.3300, 0.2118



39.9829, 0.3796, 0.2808



16.7402, 0.3152, 0.3078



13.3162, 0.3458, 0.1679



1.1780, 0.3423, 0.1659

Inverse Universe

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



42.5481, 0.3266, 0.2298



41.0934, 0.3300, 0.2118



73.4149, 0.2746, 0.3845



16.7402, 0.3152, 0.3078



13.3162, 0.3458, 0.1679



1.1780, 0.3423, 0.1659

Previews

White Background



This preview shows how the Yxy color 42.5462, 0.3266, 0.2298 looks on a white background.

Color Contrast Check

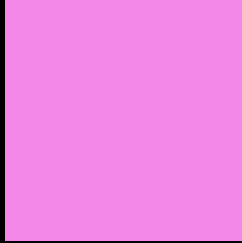
Large Text (above 18pt) WCAG AA × Fail

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 42.5462, 0.3266, 0.2298 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 42.5462, 0.3266, 0.2298

Background



This preview shows how black text looks on a background with the Yxy color 42.5462, 0.3266, 0.2298.

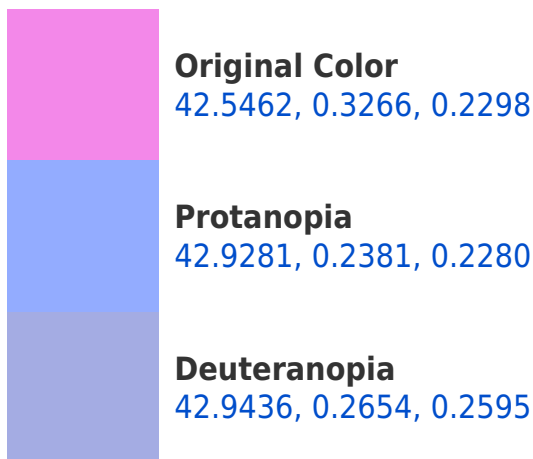


This preview shows how white text looks on a background with the Yxy color 42.5462, 0.3266, 0.2298.

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





Tritanopia

42.2700, 0.3852, 0.3155

Trichromacy



Original Color

42.5462, 0.3266, 0.2298



Protanomaly

41.4568, 0.2644, 0.2261



Deuteranomaly

41.7909, 0.2856, 0.2459



Tritanomaly

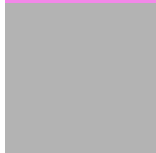
42.1931, 0.3635, 0.2825

Monochromacy



Original Color

42.5462, 0.3266, 0.2298



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

42.8745, 0.3175, 0.2850

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.5462, 0.3266, 0.2298 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(243, 136, 233)` looks like.

```
.text, #text, p{  
    color:rgb(243, 136, 233)  
}
```

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(243, 136, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 136, 233) }
```

Border

The CSS property to change the border of an element to Yxy 42.5462, 0.3266, 0.2298 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(243, 136, 233) }
```

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

```
.border{ border-color:rgb(243, 136, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 136, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 136, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 136, 233);  
box-shadow:4px 4px 4px 4px rgb(243, 136,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 42.5462, 0.3266, 0.2298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 136, 233) }
```

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

```
.background{ background-color: rgb(243,  
136, 233) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor