

Converting Colors

$Y_{xy}(42.8435, 0.3250, 0.2281)$

Have a look what the booklet for
Yxy(42.8435, 0.3250, 0.2281)
contains.

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Color

Yxy(42.8396, 0.3257, 0.2284)

Conversions

Conversions Part 1

Format	Color
Hex	F488EB
RGB	244, 136, 235
RGB Percent	96%, 53%, 92%
CMY	0.0434, 0.4665, 0.0785
CMYK	0.00, 0.44, 0.04, 0.04
HSL	305°, 83%, 75%
HSV	305°, 44%, 96%
XYZ	61.0896, 42.8396, 83.6348
YIQ	179.5780, 32.5890, 53.6850

Conversions

Conversions Part 2

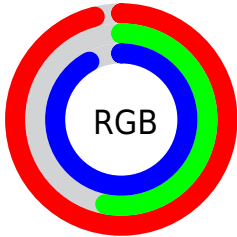
Format	Color
R_{YB}	244, 136, 235
Decimal	16025835
CIE _{Lab}	71.45, 54.58, -32.39
CIE _{LCh}	71, 63.467, 329.308
Yxy	42.8396, 0.3257, 0.2284
Android (android.graphics.Color)	4294215915 (0xFFFF488EB)
YUV	179.5780, 27.3230, 56.4981
Hunter-Lab	65.4520, 52.0620, -29.9446

Details

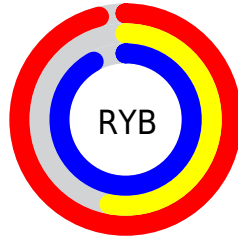
The Yxy color **42.8396, 0.3257, 0.2284** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **71.9465, 0.3018, 0.4562**, and the grayscale version is **45.2463, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.1793, 0.3156, 0.2673**, and **19.7284, 0.3274, 0.2056** is the 20% darker color. If you saturate the color by 10%, you get **36.6154, 0.3291, 0.2087**, and if you desaturate by 10%, it is **50.6325, 0.3224, 0.2503**.

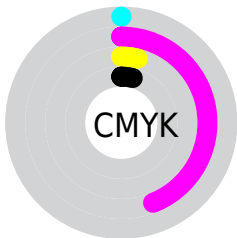
Distribution



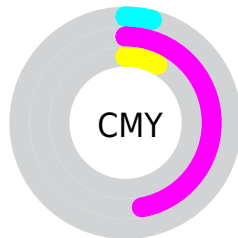
- Red (96%)
- Green (53%)
- Blue (92%)



- Red (96%)
- Yellow (53%)
- Blue (92%)



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




- Cyan (4%)
- Magenta (47%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.8396, 0.3257, 0.2284 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 42.8396, 0.3257, 0.2284 by changing the saturation by 10% instead.


 42.8396, 0.3257,
0.2284

 42.8396, 0.3257,
0.2284


357.9517, 0.3210,
0.2746


 29.7593, 0.3264,
0.2180


 79.4688, 0.3243,
0.2443

 19.6559, 0.3271,
0.2054

 103.7864, 0.3237,
0.2505

 12.1452, 0.3277,
0.1897

 132.6186, 0.3232,
0.2559

 6.8426, 0.3278,
0.1696

166.3497, 0.3226,
0.2606

 3.3639, 0.3270,
0.1436

205.3642, 0.3222,
0.2647

 1.3245, 0.3234,
0.1090

250.0464, 0.3217,

 0.1601, 0.3233,

0.2684

0.0311

300.7808, 0.3213,
0.2717

0.0000, 0.2555,
0.0000

0.0000, 0.0000,
0.0000

42.8396, 0.3257,
0.2284

42.8396, 0.3257,
0.2284

36.6154, 0.3291,
0.2087

50.6325, 0.3224,
0.2503

31.8468, 0.3326,
0.1921


60.0857, 0.3192,
0.2733


28.4147, 0.3359,
0.1794


71.2905, 0.3163,
0.2966

26.1786, 0.3390,
0.1712


84.3300, 0.3137,
0.3196


 24.9671, 0.3418,
0.1673

 97.3410, 0.3115,
0.3387

 24.5873, 0.3433,
0.1665

 97.4653, 0.3104,
0.3367

 97.5911, 0.3092,
0.3347

 97.7182, 0.3081,
0.3327

 97.8467, 0.3069,
0.3307

Harmonies

Analogous

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



42.8396, 0.2417, 0.2005



42.8396, 0.3257, 0.2284



42.8396, 0.4186, 0.2761

Triad

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



42.8396, 0.3257, 0.2284



42.8396, 0.4411, 0.4613



42.8396, 0.1686, 0.2857

Complementary

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



42.8396, 0.3257, 0.2284



71.9465, 0.3018, 0.4562

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.



42.8396, 0.2087, 0.3818



42.8396, 0.3257, 0.2284



42.8396, 0.3653, 0.4974

Square

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



42.8396, 0.3257, 0.2284



42.8396, 0.4869, 0.4000



42.8396, 0.2802, 0.4714



42.8396, 0.1621, 0.2234

Rectangle

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



42.8396, 0.3257, 0.2284



42.8396, 0.4661, 0.3151



42.8396, 0.2802, 0.4714



42.8396, 0.1781, 0.3149

Sweetspot

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



42.8415, 0.3257, 0.2284



80.4670, 0.3160, 0.2994



30.0114, 0.2341, 0.1925



16.5882, 0.3166, 0.2943



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.



42.8415, 0.3257, 0.2284



41.1755, 0.3288, 0.2107



40.2548, 0.3781, 0.2787



16.7432, 0.3151, 0.3076



13.3869, 0.3429, 0.1663



1.1835, 0.3399, 0.1646

Inverse Universe

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



42.8415, 0.3257, 0.2284



41.1755, 0.3288, 0.2107



73.9419, 0.2754, 0.3872



16.7432, 0.3151, 0.3076



13.3869, 0.3429, 0.1663



1.1835, 0.3399, 0.1646

Previews

White Background



This preview shows how the Yxy color 42.8396, 0.3257, 0.2284 looks on a white background.

Color Contrast Check

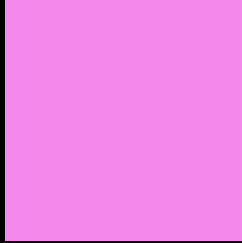
Large Text (above 18pt) WCAG AA × Fail

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 42.8396, 0.3257, 0.2284 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

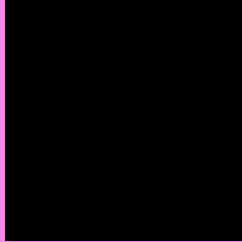
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.8396, 0.3257, 0.2284

Background



This preview shows how black text looks on a background with the Yxy color 42.8396, 0.3257, 0.2284.

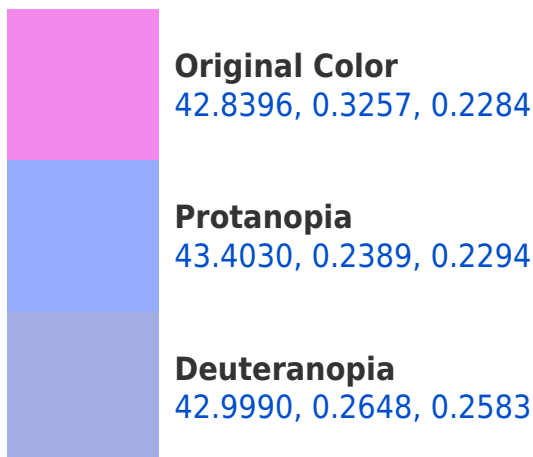


This preview shows how white text looks on a background with the Yxy color 42.8396, 0.3257, 0.2284.

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

42.7630, 0.3859, 0.3167

Trichromacy



Original Color

42.8396, 0.3257, 0.2284



Protanomaly

41.9862, 0.2646, 0.2265



Deuteranomaly

41.9033, 0.2841, 0.2439



Tritanomaly

42.4090, 0.3634, 0.2816

Monochromacy



Original Color

42.8396, 0.3257, 0.2284



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

43.4176, 0.3175, 0.2852

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8396, 0.3257, 0.2284 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(244, 136, 235)` looks like.

```
.text, #text, p{  
    color:rgb(244, 136, 235)  
}
```

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(244, 136, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 136, 235) }
```

Border

The CSS property to change the border of an element to Yxy 42.8396, 0.3257, 0.2284 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(244, 136, 235) }
```

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

```
.border{ border-color:rgb(244, 136, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 136, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 136, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 136, 235);  
box-shadow:4px 4px 4px 4px rgb(244, 136,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8396, 0.3257, 0.2284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 136, 235) }
```

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

```
.background{ background-color: rgb(244,  
136, 235) }
```

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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