

Converting Colors

$Y_{xy}(42.1314, 0.3340, 0.2384)$

Have a look what the booklet for
Yxy(42.1314, 0.3340, 0.2384)
contains.

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Color

Yxy(42.1504, 0.3340, 0.2385)

Conversions

Conversions Part 1

Format	Color
Hex	F289E0
RGB	242, 137, 224
RGB Percent	95%, 54%, 88%
CMY	0.0508, 0.4628, 0.1215
CMYK	0.00, 0.43, 0.07, 0.05
HSL	310°, 80%, 74%
HSV	310°, 43%, 95%
XYZ	59.0282, 42.1504, 75.5526
YIQ	178.3130, 34.6530, 49.3170

Conversions

Conversions Part 2

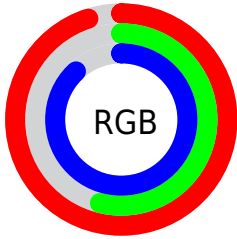
Format	Color
R _Y B	242, 137, 224
Decimal	15895008
CIE Lab	70.97, 51.70, -27.11
CIE LCh	71, 58.375, 332.332
Yxy	42.1504, 0.3340, 0.2385
Android (android.graphics.Color)	4294085088 (0xFFFF289E0)
YUV	178.3130, 22.5237, 55.8535
Hunter-Lab	64.9233, 48.6762, -23.5506

Details

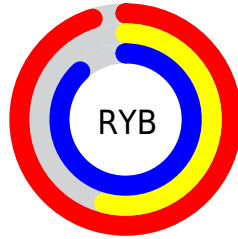
The Yxy color **42.1504, 0.3340, 0.2385** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **71.2097, 0.2973, 0.4411**, and the grayscale version is **44.5599, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.6199, 0.3156, 0.2683**, and **19.2414, 0.3376, 0.2164** is the 20% darker color. If you saturate the color by 10%, you get **35.8043, 0.3403, 0.2199**, and if you desaturate by 10%, it is **50.0489, 0.3281, 0.2589**.

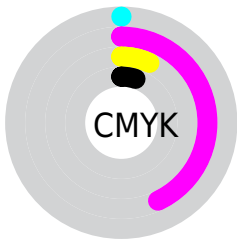
Distribution



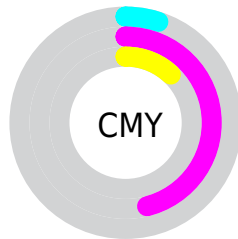
- Red (95%)
- Green (54%)
- Blue (88%)



- Red (95%)
- Yellow (54%)
- Blue (88%)



- Cyan (0%)
- Magenta (43%)
- Yellow (7%)
- Black (5%)




- Cyan (5%)
- Magenta (46%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.1504, 0.3340, 0.2385 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 42.1504, 0.3340, 0.2385 by changing the saturation by 10% instead.


 42.1504, 0.3340,
0.2385


 42.1504, 0.3340,
0.2385


355.1060, 0.3248,
0.2807


 29.2191, 0.3359,
0.2289


 78.4272, 0.3310,
0.2531

 19.2466, 0.3381,
0.2170


 102.5415, 0.3297,
0.2588

 11.8486, 0.3408,
0.2021


 131.1522, 0.3286,
0.2637

 6.6407, 0.3438,
0.1828

164.6437, 0.3277,
0.2680

 3.2384, 0.3472,
0.1572

203.4005, 0.3268,
0.2718

 1.2574, 0.3502,
0.1222

247.8068, 0.3261,

 0.1079, 0.3676,

0.2751

0.0268

298.2472, 0.3254,
0.2780

0.0000, 0.2790,
0.0000

0.0000, 0.0000,
0.0000

42.1504, 0.3340,
0.2385

42.1504, 0.3340,
0.2385

35.8043, 0.3403,
0.2199

50.0489, 0.3281,
0.2589

30.9005, 0.3470,
0.2041

59.5890, 0.3228,
0.2801

27.3234, 0.3537,
0.1921


70.8597, 0.3181,
0.3014


24.9371, 0.3603,
0.1845

83.9420, 0.3140,
0.3221

 23.5767, 0.3666,
0.1815

 96.9826, 0.3106,
0.3390

 23.0776, 0.3706,
0.1815

 97.2388, 0.3082,
0.3349

 97.5008, 0.3058,
0.3308

 97.6237, 0.3048,
0.3290

Harmonies

Analogous

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



42.1504, 0.2536, 0.2099



42.1504, 0.3340, 0.2385



42.1504, 0.4185, 0.2853

Triad

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



42.1504, 0.3340, 0.2385



42.1504, 0.4276, 0.4585



42.1504, 0.1757, 0.2823

Complementary

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



42.1504, 0.3340, 0.2385



71.2097, 0.2973, 0.4411

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.



42.1504, 0.2109, 0.3685



42.1504, 0.3340, 0.2385



42.1504, 0.3552, 0.4851

Square

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



42.1504, 0.3340, 0.2385



42.1504, 0.4729, 0.4035



42.1504, 0.2758, 0.4530



42.1504, 0.1722, 0.2269

Rectangle

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



42.1504, 0.3340, 0.2385



42.1504, 0.4596, 0.3229



42.1504, 0.2758, 0.4530



42.1504, 0.1838, 0.3084

Sweetspot

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



42.1523, 0.3340, 0.2385



80.2819, 0.3179, 0.3022



31.2175, 0.2436, 0.1980



16.5420, 0.3189, 0.2975



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.



42.1523, 0.3340, 0.2385



41.1178, 0.3395, 0.2221



39.7485, 0.3879, 0.2908



15.9821, 0.3164, 0.3097



12.4112, 0.3697, 0.1810



1.0447, 0.3621, 0.1769

Inverse Universe

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



42.1523, 0.3340, 0.2385



41.1178, 0.3395, 0.2221



73.3488, 0.2707, 0.3722



15.9821, 0.3164, 0.3097



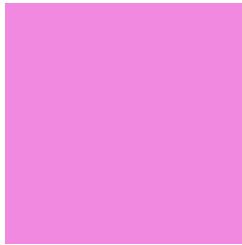
12.4112, 0.3697, 0.1810



1.0447, 0.3621, 0.1769

Previews

White Background



This preview shows how the Yxy color 42.1504, 0.3340, 0.2385 looks on a white background.

Color Contrast Check

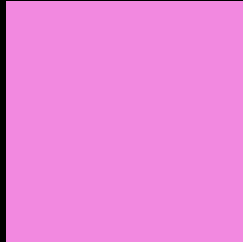
Large Text (above 18pt) WCAG AA × Fail

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 42.1504, 0.3340, 0.2385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

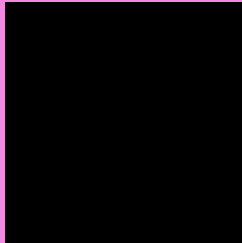
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.1504, 0.3340, 0.2385

Background



This preview shows how black text looks on a background with the Yxy color 42.1504, 0.3340, 0.2385.

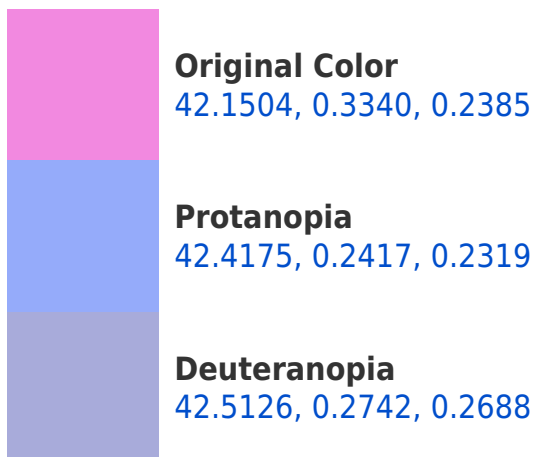


This preview shows how white text looks on a background with the Yxy color 42.1504, 0.3340, 0.2385.

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

42.0835, 0.3876, 0.3156

Trichromacy



Original Color

42.1504, 0.3340, 0.2385



Protanomaly

41.2144, 0.2691, 0.2320



Deuteranomaly

41.5657, 0.2941, 0.2556



Tritanomaly

41.9307, 0.3678, 0.2848

Monochromacy



Original Color

42.1504, 0.3340, 0.2385



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

42.5520, 0.3201, 0.2896

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1504, 0.3340, 0.2385 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(242, 137, 224)` looks like.

```
.text, #text, p{  
    color:rgb(242, 137, 224)  
}
```

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(242, 137, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 137, 224) }
```

Border

The CSS property to change the border of an element to Yxy 42.1504, 0.3340, 0.2385 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(242, 137, 224) }
```

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

```
.border{ border-color:rgb(242, 137, 224) }
```

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

Here you see how a box with a 4 pixel rgb(242, 137, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 137, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 137, 224);  
box-shadow:4px 4px 4px 4px rgb(242, 137,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1504, 0.3340, 0.2385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 137, 224) }
```

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

```
.background{ background-color: rgb(242,  
137, 224) }
```

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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