

Converting Colors

$Y_{xy}(42.2998, 0.3215, 0.2408)$

Have a look what the booklet for
Yxy(42.2998, 0.3215, 0.2408)
contains.

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Color

Yxy(42.4264, 0.3215, 0.2407)

Conversions

Conversions Part 1

Format	Color
Hex	E790E2
RGB	231, 144, 226
RGB Percent	91%, 56%, 89%
CMY	0.0939, 0.4354, 0.1136
CMYK	0.00, 0.38, 0.02, 0.09
HSL	303°, 65%, 74%
HSV	303°, 38%, 91%
XYZ	56.6684, 42.4264, 77.1678
YIQ	179.3610, 25.5300, 43.9460

Conversions

Conversions Part 2

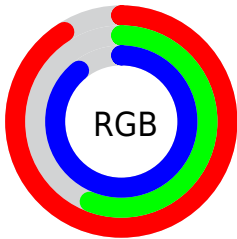
Format	Color
R_{YB}	231, 144, 226
Decimal	15175906
CIE _{Lab}	71.16, 45.12, -28.03
CIE _{LCh}	71, 53.120, 328.148
Y _{xy}	42.4264, 0.3215, 0.2407
Android (android.graphics.Color)	4293365986 (0xFFE790E2)
YUV	179.3610, 22.9930, 45.2874
Hunter-Lab	65.1356, 41.3091, -24.6475

Details

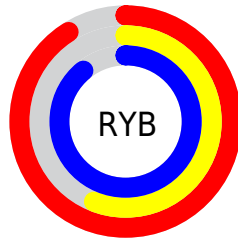
The Yxy color **42.4264, 0.3215, 0.2407** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **65.2746, 0.3046, 0.4368**, and the grayscale version is **45.1473, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.3268, 0.3153, 0.2742**, and **19.3831, 0.3229, 0.2200** is the 20% darker color. If you saturate the color by 10%, you get **36.0595, 0.3241, 0.2191**, and if you desaturate by 10%, it is **50.2296, 0.3189, 0.2639**.

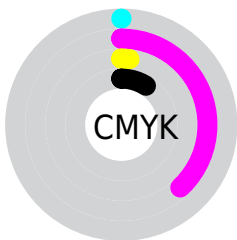
Distribution



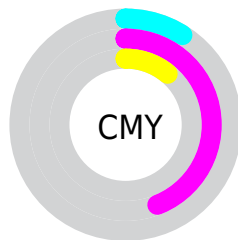
- Red (91%)
- Green (56%)
- Blue (89%)



- Red (91%)
- Yellow (56%)
- Blue (89%)



- Cyan (0%)
- Magenta (38%)
- Yellow (2%)
- Black (9%)




- Cyan (9%)
- Magenta (44%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.4264, 0.3215, 0.2407 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 42.4264, 0.3215, 0.2407 by changing the saturation by 10% instead.


 42.4264, 0.3215,
0.2407


 42.4264, 0.3215,
0.2407


356.2475, 0.3184,
0.2820

 29.4353, 0.3219,
0.2312


 78.8446, 0.3206,
0.2551

 19.4104, 0.3223,
0.2196


 103.0404, 0.3202,
0.2606

 11.9672, 0.3225,
0.2049


131.7400, 0.3199,
0.2654

 6.7213, 0.3222,
0.1858

165.3277, 0.3195,
0.2696

 3.2884, 0.3209,
0.1604

204.1879, 0.3192,
0.2733

 1.2841, 0.3169,
0.1254

248.7050, 0.3189,

 0.1289, 0.3197,

0.2765

0.0321

299.2634, 0.3187,
0.2794

0.0000, 0.1610,
0.0000

0.0000, 0.0000,
0.0000

42.4264, 0.3215,
0.2407

42.4264, 0.3215,
0.2407

36.0595, 0.3241,
0.2191

50.2296, 0.3189,
0.2639

31.0354, 0.3268,
0.2001


59.5440, 0.3165,
0.2876


27.2581, 0.3293,
0.1845


70.4459, 0.3143,
0.3113

24.6171, 0.3317,
0.1730


83.0051, 0.3123,
0.3342


 22.9818, 0.3338,
0.1660

 94.3819, 0.3106,
0.3516

 22.1756, 0.3357,
0.1630

 94.4583, 0.3099,
0.3502

 22.0433, 0.3362,
0.1625

 94.5352, 0.3091,
0.3488

 94.6128, 0.3084,
0.3475

 94.6909, 0.3076,
0.3461

Harmonies

Analogous

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



42.4264, 0.2502, 0.2169



42.4264, 0.3215, 0.2407



42.4264, 0.3992, 0.2825

Triad

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



42.4264, 0.3215, 0.2407



42.4264, 0.4267, 0.4429



42.4264, 0.1893, 0.2970

Complementary

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



42.4264, 0.3215, 0.2407



65.2746, 0.3046, 0.4368

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.



42.4264, 0.2268, 0.3768



42.4264, 0.3215, 0.2407



42.4264, 0.3631, 0.4700

Square

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



42.4264, 0.3215, 0.2407



42.4264, 0.4621, 0.3918



42.4264, 0.2899, 0.4477



42.4264, 0.1816, 0.2412

Rectangle

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



42.4264, 0.3215, 0.2407



42.4264, 0.4398, 0.3170



42.4264, 0.2899, 0.4477



42.4264, 0.1985, 0.3220

Sweetspot

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



42.4283, 0.3215, 0.2407



83.2870, 0.3150, 0.3034



32.0386, 0.2468, 0.2156



17.4235, 0.3153, 0.3002



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.



42.4283, 0.3215, 0.2407



46.8900, 0.3235, 0.2242



40.3617, 0.3631, 0.2846



14.6001, 0.3147, 0.3072



12.3587, 0.3359, 0.1624



0.9177, 0.3335, 0.1611

Inverse Universe

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



42.4283, 0.3215, 0.2407



46.8900, 0.3235, 0.2242



66.9044, 0.2808, 0.3789



14.6001, 0.3147, 0.3072



12.3587, 0.3359, 0.1624



0.9177, 0.3335, 0.1611

Previews

White Background



This preview shows how the Yxy color 42.4264, 0.3215, 0.2407 looks on a white background.

Color Contrast Check

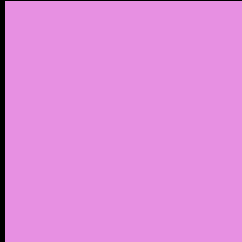
Large Text (above 18pt) WCAG AA × Fail

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 42.4264, 0.3215, 0.2407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

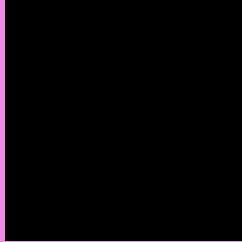
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.4264, 0.3215, 0.2407

Background



This preview shows how black text looks on a background with the Yxy color 42.4264, 0.3215, 0.2407.

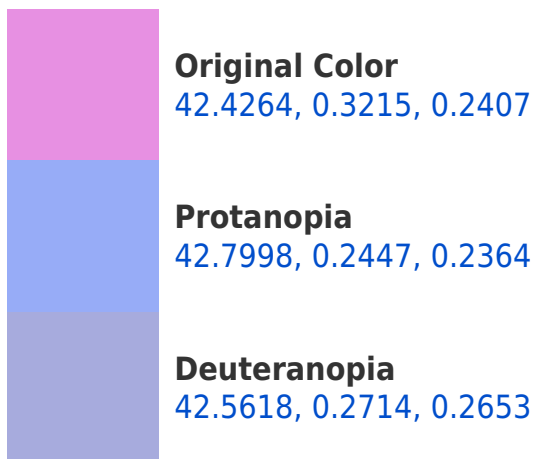


This preview shows how white text looks on a background with the Yxy color 42.4264, 0.3215, 0.2407.

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

42.4514, 0.3688, 0.3150

Trichromacy



Original Color

42.4264, 0.3215, 0.2407



Protanomaly

41.7760, 0.2684, 0.2369



Deuteranomaly

41.7646, 0.2876, 0.2540



Tritanomaly

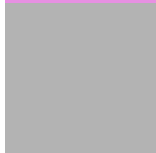
42.4615, 0.3516, 0.2866

Monochromacy



Original Color

42.4264, 0.3215, 0.2407



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

43.2637, 0.3163, 0.2918

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4264, 0.3215, 0.2407 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(231, 144, 226)` looks like.

```
.text, #text, p{  
    color:rgb(231, 144, 226)  
}
```

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(231, 144, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 144, 226) }
```

Border

The CSS property to change the border of an element to Yxy 42.4264, 0.3215, 0.2407 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(231, 144, 226) }
```

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

```
.border{ border-color:rgb(231, 144, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 144, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 144, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 144, 226); box-shadow:4px 4px 4px 4px rgb(231, 144, 226) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4264, 0.3215, 0.2407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 144, 226) }
```

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

```
.background{ background-color: rgb(231,  
144, 226) }
```

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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