

Converting Colors

$Y_{xy}(42.3044, 0.3203, 0.2380)$

Have a look what the booklet for
Yxy(42.3044, 0.3203, 0.2380)
contains.

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Color

Yxy(42.4022, 0.3207, 0.2381)

Conversions

Conversions Part 1

Format	Color
Hex	E88FE4
RGB	232, 143, 228
RGB Percent	91%, 56%, 89%
CMY	0.0901, 0.4393, 0.1059
CMYK	0.00, 0.38, 0.02, 0.09
HSL	303°, 66%, 74%
HSV	303°, 38%, 91%
XYZ	57.1121, 42.4022, 78.5714
YIQ	179.3010, 25.7590, 45.3030

Conversions

Conversions Part 2

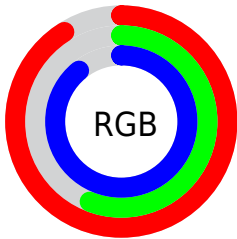
Format	Color
R_{YB}	232, 143, 228
Decimal	15241188
CIE _{Lab}	71.15, 46.29, -29.14
CIE _{LCh}	71, 54.694, 327.812
Yxy	42.4022, 0.3207, 0.2381
Android (android.graphics.Color)	4293431268 (0xFFE88FE4)
YUV	179.3010, 24.0086, 46.2170
Hunter-Lab	65.1170, 42.6021, -25.9586

Details

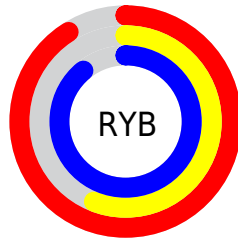
The Yxy color **42.4022, 0.3207, 0.2381** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **65.6776, 0.3050, 0.4407**, and the grayscale version is **45.1082, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.8682, 0.3153, 0.2732**, and **19.4048, 0.3218, 0.2169** is the 20% darker color. If you saturate the color by 10%, you get **36.0857, 0.3230, 0.2165**, and if you desaturate by 10%, it is **50.1634, 0.3184, 0.2614**.

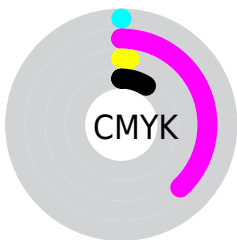
Distribution



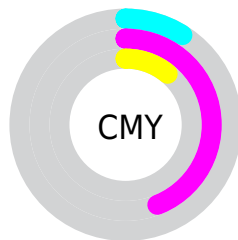
- Red (91%)
- Green (56%)
- Blue (89%)



- 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 42.4022, 0.3207, 0.2381 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 42.4022, 0.3207, 0.2381 by changing the saturation by 10% instead.


 42.4022, 0.3207,
0.2381


 42.4022, 0.3207,
0.2381


356.1475, 0.3181,
0.2805

 29.4164, 0.3210,
0.2284


 78.8080, 0.3200,
0.2528

 19.3960, 0.3212,
0.2165


 102.9967, 0.3197,
0.2585

 11.9568, 0.3211,
0.2015


131.6885, 0.3194,
0.2635

 6.7143, 0.3205,
0.1822

165.2678, 0.3191,
0.2678

 3.2840, 0.3187,
0.1565

204.1189, 0.3188,
0.2715

 1.2818, 0.3138,
0.1214

248.6263, 0.3186,

 0.1270, 0.3144,

0.2749

0.0302

299.1744, 0.3183,
0.2778

0.0000, 0.1699,
0.0000

0.0000, 0.0000,
0.0000

42.4022, 0.3207,
0.2381

42.4022, 0.3207,
0.2381

36.0857, 0.3230,
0.2165

50.1634, 0.3184,
0.2614

31.1189, 0.3252,
0.1975

59.4455, 0.3163,
0.2854


27.4041, 0.3274,
0.1821


70.3261, 0.3143,
0.3094

24.8281, 0.3293,
0.1708


82.8757, 0.3124,
0.3327


 23.2577, 0.3311,
0.1639


 94.5791, 0.3109,
0.3510


 22.5005, 0.3325,
0.1610

 94.6394, 0.3103,
0.3499

 22.4095, 0.3328,
0.1607

 94.7001, 0.3097,
0.3488

 94.7612, 0.3091,
0.3477

 94.8226, 0.3085,
0.3466

Harmonies

Analogous

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



42.4022, 0.2477, 0.2140



42.4022, 0.3207, 0.2381



42.4022, 0.4009, 0.2806

Triad

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



42.4022, 0.3207, 0.2381



42.4022, 0.4301, 0.4451



42.4022, 0.1864, 0.2966

Complementary

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



42.4022, 0.3207, 0.2381



65.6776, 0.3050, 0.4407

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.



42.4022, 0.2249, 0.3792



42.4022, 0.3207, 0.2381



42.4022, 0.3649, 0.4742

Square

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



42.4022, 0.3207, 0.2381



42.4022, 0.4664, 0.3922



42.4022, 0.2898, 0.4523



42.4022, 0.1783, 0.2391

Rectangle

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



42.4022, 0.3207, 0.2381



42.4022, 0.4430, 0.3157



42.4022, 0.2898, 0.4523



42.4022, 0.1958, 0.3224

Sweetspot

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



42.4041, 0.3207, 0.2381



81.9176, 0.3150, 0.3006



31.5765, 0.2442, 0.2128



17.1513, 0.3153, 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.



42.4041, 0.3207, 0.2381



46.2334, 0.3225, 0.2209



40.2862, 0.3629, 0.2821



14.6034, 0.3145, 0.3069



12.4422, 0.3326, 0.1606



0.9229, 0.3307, 0.1595

Inverse Universe

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



42.4041, 0.3207, 0.2381



46.2334, 0.3225, 0.2209



67.3090, 0.2811, 0.3820



14.6034, 0.3145, 0.3069



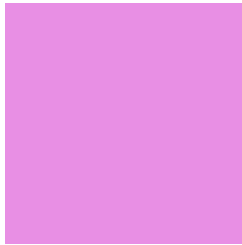
12.4422, 0.3326, 0.1606



0.9229, 0.3307, 0.1595

Previews

White Background



This preview shows how the Yxy color 42.4022, 0.3207, 0.2381 looks on a white background.

Color Contrast Check

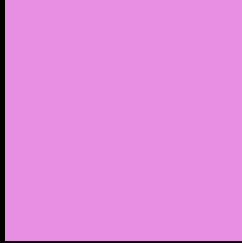
Large Text (above 18pt) WCAG AA × Fail

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 42.4022, 0.3207, 0.2381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

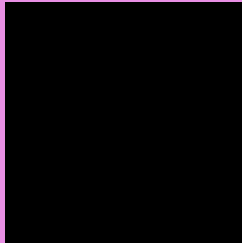
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.4022, 0.3207, 0.2381

Background



This preview shows how black text looks on a background with the Yxy color 42.4022, 0.3207, 0.2381.

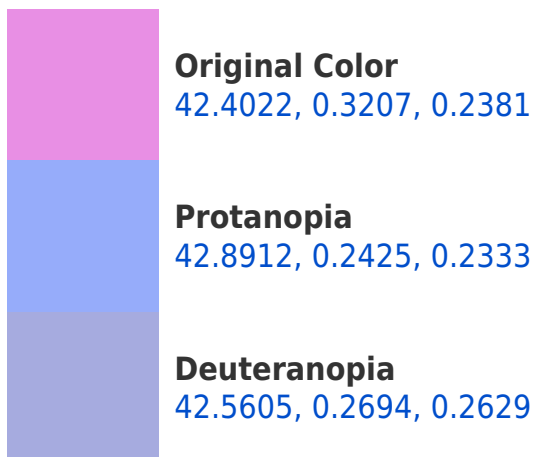


This preview shows how white text looks on a background with the Yxy color 42.4022, 0.3207, 0.2381.

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

42.4142, 0.3698, 0.3162

Trichromacy



Original Color

42.4022, 0.3207, 0.2381



Protanomaly

41.6038, 0.2663, 0.2328



Deuteranomaly

41.8731, 0.2861, 0.2519



Tritanomaly

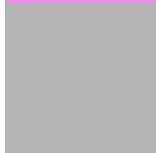
42.1382, 0.3518, 0.2855

Monochromacy



Original Color

42.4022, 0.3207, 0.2381



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

43.3094, 0.3154, 0.2906

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4022, 0.3207, 0.2381 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(232, 143, 228)` looks like.

```
.text, #text, p{  
    color:rgb(232, 143, 228)  
}
```

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(232, 143, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 143, 228) }
```

Border

The CSS property to change the border of an element to Yxy 42.4022, 0.3207, 0.2381 is called "border". The border property can be set on classes, ids or directly on the HTML element.

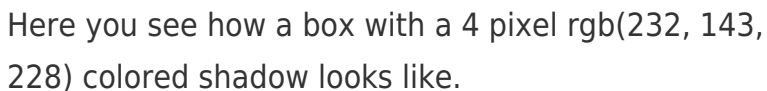
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(232, 143, 228) }
```

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

```
.border{ border-color:rgb(232, 143, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(232, 143, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(232, 143, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(232, 143, 228); box-shadow:4px 4px 4px 4px rgb(232, 143, 228) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4022, 0.3207, 0.2381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 143, 228) }
```

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

```
.background{ background-color: rgb(232,  
143, 228) }
```

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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