

Converting Colors

$Y_{xy}(42.5498, 0.3461, 0.2728)$

Have a look what the booklet for
Yxy(42.5498, 0.3461, 0.2728)
contains.

Yxy(42.6073, 0.3462, 0.2731)	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(42.6073, 0.3462, 0.2731)

Conversions

Conversions Part 1

Format	Color
Hex	E795C7
RGB	231, 149, 199
RGB Percent	91%, 58%, 78%
CMY	0.0941, 0.4157, 0.2197
CMYK	0.00, 0.36, 0.14, 0.09
HSL	323°, 63%, 75%
HSV	323°, 36%, 91%
XYZ	54.0119, 42.6073, 59.3944
YIQ	179.2180, 32.8220, 32.9340

Conversions

Conversions Part 2

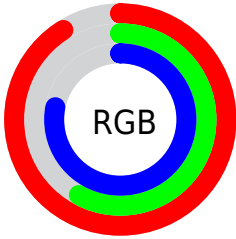
Format	Color
RYP	231, 149, 199
Decimal	15177159
CIELab	71.29, 37.91, -12.92
CIElCh	71, 40.047, 341.180
Yxy	42.6073, 0.3462, 0.2731
Android (android.graphics.Color)	4293367239 (0xFFE795C7)
YUV	179.2180, 9.7525, 45.4128
Hunter-Lab	65.2743, 33.4718, -8.2572

Details

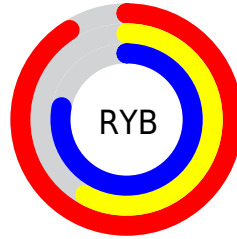
The Yxy color **42.6073, 0.3462, 0.2731** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **66.8872, 0.2897, 0.3929**, and the grayscale version is **45.1363, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6657, 0.3151, 0.2792**, and **19.5924, 0.3551, 0.2592** is the 20% darker color. If you saturate the color by 10%, you get **35.6032, 0.3595, 0.2575**, and if you desaturate by 10%, it is **51.0899, 0.3347, 0.2893**.

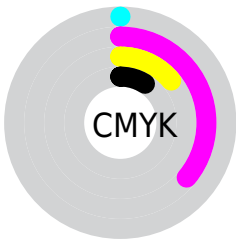
Distribution



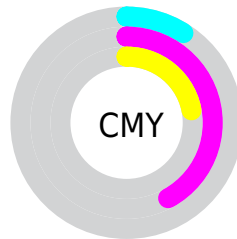
- Red (91%)
- Green (58%)
- Blue (78%)



- Red (91%)
- Yellow (58%)
- Blue (78%)



- Cyan (0%)
- Magenta (36%)
- Yellow (14%)
- Black (9%)




- Cyan (9%)
- Magenta (42%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.6073, 0.3462, 0.2731 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 42.6073, 0.3462, 0.2731 by changing the saturation by 10% instead.


 42.6073, 0.3462,
0.2731

 42.6073, 0.3462,
0.2731


356.9943, 0.3299,
0.3001

 29.5771, 0.3502,
0.2666


 79.1179, 0.3404,
0.2827

 19.5178, 0.3552,
0.2585


 103.3672, 0.3381,
0.2864

 12.0450, 0.3617,
0.2479


132.1249, 0.3362,
0.2895

 6.7744, 0.3706,
0.2337

165.7754, 0.3346,
0.2922

 3.3214, 0.3833,
0.2137

204.7033, 0.3332,
0.2946

 1.3017, 0.4030,
0.1834

249.2928, 0.3319,

 0.1425, 0.4729,

0.2967

0.0624

299.9283, 0.3308,
0.2985

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

42.6073, 0.3462,
0.2731

42.6073, 0.3462,
0.2731

35.6032, 0.3595,
0.2575

51.0899, 0.3347,
0.2893

29.9851, 0.3746,
0.2435

61.1245, 0.3249,
0.3053

25.6592, 0.3911,
0.2321

72.7869, 0.3167,
0.3208

22.5177, 0.4088,
0.2245

86.1461, 0.3098,
0.3355

■ 20.4348, 0.4269,
0.2218

■ 95.0489, 0.3042,
0.3399

■ 19.2558, 0.4446,
0.2243

■ 95.6110, 0.2992,
0.3308

■ 18.9073, 0.4525,
0.2266

■ 95.7312, 0.2982,
0.3290

Harmonies

Analogous

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



42.6073, 0.2877, 0.2471



42.6073, 0.3462, 0.2731



42.6073, 0.3990, 0.3116

Triad

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



42.6073, 0.3462, 0.2731



42.6073, 0.3828, 0.4288



42.6073, 0.2110, 0.2851

Complementary

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



42.6073, 0.3462, 0.2731



66.8872, 0.2897, 0.3929

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.



42.6073, 0.2315, 0.3391



42.6073, 0.3462, 0.2731



42.6073, 0.3293, 0.4308

Square

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



42.6073, 0.3462, 0.2731



42.6073, 0.4194, 0.3988



42.6073, 0.2739, 0.3964



42.6073, 0.2144, 0.2505

Rectangle

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



42.6073, 0.3462, 0.2731



42.6073, 0.4210, 0.3410



42.6073, 0.2739, 0.3964



42.6073, 0.2151, 0.3014

Sweetspot

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



42.6093, 0.3462, 0.2731



82.7050, 0.3211, 0.3123



37.0222, 0.2730, 0.2292



17.2841, 0.3222, 0.3102



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.



42.6093, 0.3462, 0.2731



46.3797, 0.3563, 0.2610



40.9752, 0.3877, 0.3182



14.5148, 0.3197, 0.3148



10.6233, 0.4498, 0.2252



0.8031, 0.4259, 0.2120

Inverse Universe

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



42.6093, 0.3462, 0.2731



46.3797, 0.3563, 0.2610



68.7935, 0.2677, 0.3405



14.5148, 0.3197, 0.3148



10.6233, 0.4498, 0.2252



0.8031, 0.4259, 0.2120

Previews

White Background



This preview shows how the Yxy color 42.6073, 0.3462, 0.2731 looks on a white background.

Color Contrast Check

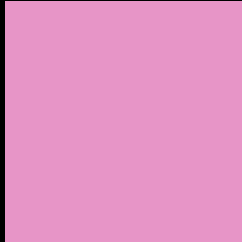
Large Text (above 18pt) WCAG AA × Fail

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 42.6073, 0.3462, 0.2731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

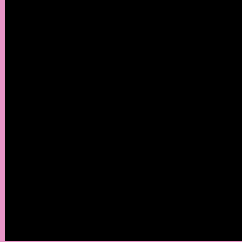
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.6073, 0.3462, 0.2731

Background



This preview shows how black text looks on a background with the Yxy color 42.6073, 0.3462, 0.2731.



This preview shows how white text looks on a background with the Yxy color 42.6073, 0.3462, 0.2731.

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



Original Color

42.6073, 0.3462, 0.2731

Protanopia

42.7928, 0.2742, 0.2746

Deuteranopia

42.7569, 0.3037, 0.2967



Tritanopia

42.5636, 0.3730, 0.3151

Trichromacy



Original Color

42.6073, 0.3462, 0.2731



Protanomaly

41.9732, 0.2977, 0.2730



Deuteranomaly

42.1055, 0.3184, 0.2870



Tritanomaly

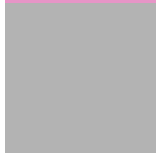
42.5311, 0.3623, 0.2991

Monochromacy



Original Color

42.6073, 0.3462, 0.2731



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

43.5562, 0.3247, 0.3064

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6073, 0.3462, 0.2731 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, 149, 199)` looks like.

```
.text, #text, p{  
    color:rgb(231, 149, 199)  
}
```

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, 149, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 149, 199) }
```

Border

The CSS property to change the border of an element to Yxy 42.6073, 0.3462, 0.2731 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, 149, 199) }
```

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

```
.border{ border-color:rgb(231, 149, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 149, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 149, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 149, 199);  
box-shadow:4px 4px 4px 4px rgb(231, 149,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6073, 0.3462, 0.2731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 149, 199) }
```

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

```
.background{ background-color: rgb(231,  
149, 199) }
```

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