

Converting Colors

$Y_{xy}(50.7629, 0.3199, 0.2592)$

Have a look what the booklet for
Yxy(50.7629, 0.3199, 0.2592)
contains.

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Color

Yxy(50.8748, 0.3202, 0.2600)

Conversions

Conversions Part 1

Format	Color
Hex	ECA6E7
RGB	236, 166, 231
RGB Percent	93%, 65%, 91%
CMY	0.0745, 0.3490, 0.0940
CMYK	0.00, 0.30, 0.02, 0.07
HSL	304°, 65%, 79%
HSV	304°, 30%, 93%
XYZ	62.6543, 50.8748, 82.1432
YIQ	194.3400, 20.8550, 35.0550

Conversions

Conversions Part 2

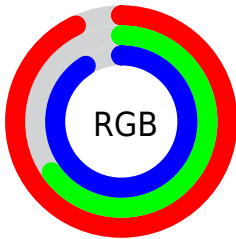
Format	Color
R _Y B	236, 166, 231
Decimal	15509223
CIE Lab	76.60, 36.00, -22.41
CIE LCh	77, 42.404, 328.101
Yxy	50.8748, 0.3202, 0.2600
Android (android.graphics.Color)	4293699303 (0xFFECA6E7)
YUV	194.3400, 18.0734, 36.5358
Hunter-Lab	71.3266, 31.9754, -18.3527

Details

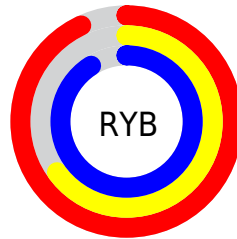
The Yxy color **50.8748, 0.3202, 0.2600** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **71.0344, 0.3058, 0.4094**, and the grayscale version is **54.0439, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7226, 0.3142, 0.2970**, and **24.4891, 0.3213, 0.2441** is the 20% darker color. If you saturate the color by 10%, you get **42.9757, 0.3231, 0.2373**, and if you desaturate by 10%, it is **60.3535, 0.3175, 0.2835**.

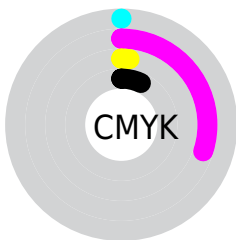
Distribution



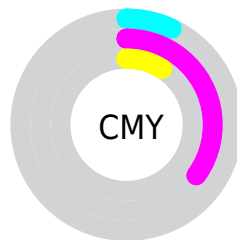
- Red (93%)
- Green (65%)
- Blue (91%)



- Red (93%)
- Yellow (65%)
- Blue (91%)



- Cyan (0%)
- Magenta (30%)
- Yellow (2%)
- Black (7%)





- Cyan (7%)
- Magenta (35%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.8748, 0.3202, 0.2600 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 50.8748, 0.3202, 0.2600 by changing the saturation by 10% instead.


 50.8748, 0.3202,
0.2600

 50.8748, 0.3202,
0.2600


390.0772, 0.3173,
0.2920

 36.1090, 0.3207,
0.2527

 91.4697, 0.3193,
0.2711

 24.5184, 0.3212,
0.2438


 118.0675, 0.3190,
0.2754

 15.7186, 0.3217,
0.2325


149.3782, 0.3186,
0.2791

 9.3252, 0.3222,
0.2178


185.7860, 0.3183,
0.2823

 4.9539, 0.3223,
0.1982

227.6754, 0.3180,
0.2852

 2.2203, 0.3213,
0.1706

275.4308, 0.3178,

 0.7310, 0.3177,

0.2877

0.1286

329.4366, 0.3176,
0.2899

0.0000, 0.3082,
0.0000

0.0000, 0.0000,
0.0000

50.8748, 0.3202,
0.2600

50.8748, 0.3202,
0.2600

42.9757, 0.3231,
0.2373

60.3535, 0.3175,
0.2835

36.5632, 0.3262,
0.2163

71.4847, 0.3149,
0.3070

31.5452, 0.3292,
0.1981

84.3448, 0.3126,
0.3298

27.8163, 0.3322,
0.1834

95.5090, 0.3108,
0.3462

25.2563, 0.3350,
0.1729

95.6076, 0.3099,
0.3445

23.7225, 0.3375,
0.1669

95.7072, 0.3089,
0.3429

22.9811, 0.3398,
0.1646

95.8076, 0.3080,
0.3412

22.9606, 0.3399,
0.1646

95.9090, 0.3070,
0.3395

96.0114, 0.3061,
0.3378

Harmonies

Analogous

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



50.8748, 0.2653, 0.2411



50.8748, 0.3202, 0.2600



50.8748, 0.3779, 0.2937

Triad

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



50.8748, 0.3202, 0.2600



50.8748, 0.4015, 0.4180



50.8748, 0.2171, 0.3069

Complementary

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



50.8748, 0.3202, 0.2600



71.0344, 0.3058, 0.4094

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.



50.8748, 0.2478, 0.3651



50.8748, 0.3202, 0.2600



50.8748, 0.3537, 0.4341

Square

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



50.8748, 0.3202, 0.2600



50.8748, 0.4265, 0.3809



50.8748, 0.2973, 0.4154



50.8748, 0.2101, 0.2629

Rectangle

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



50.8748, 0.3202, 0.2600



50.8748, 0.4079, 0.3216



50.8748, 0.2973, 0.4154



50.8748, 0.2248, 0.3255

Sweetspot

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



50.8770, 0.3202, 0.2600



86.1170, 0.3148, 0.3084



41.9502, 0.2638, 0.2432



17.9865, 0.3151, 0.3050



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.



50.8770, 0.3202, 0.2600



54.3334, 0.3221, 0.2451



49.1063, 0.3504, 0.2955



15.2943, 0.3149, 0.3074



12.6650, 0.3395, 0.1644



1.0000, 0.3367, 0.1628

Inverse Universe

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



50.8770, 0.3202, 0.2600



54.3334, 0.3221, 0.2451



72.5355, 0.2862, 0.3653



15.2943, 0.3149, 0.3074



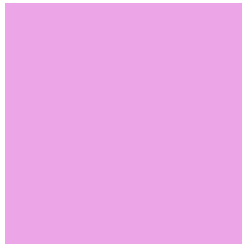
12.6650, 0.3395, 0.1644



1.0000, 0.3367, 0.1628

Previews

White Background



This preview shows how the Yxy color 50.8748, 0.3202, 0.2600 looks on a white background.

Color Contrast Check

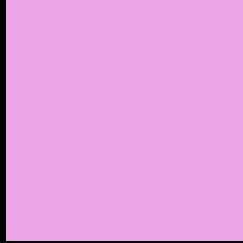
Large Text (above 18pt) WCAG AA × Fail

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 50.8748, 0.3202, 0.2600 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

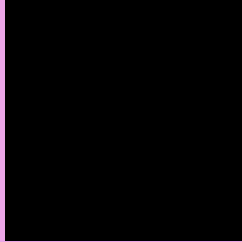
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.8748, 0.3202, 0.2600

Background



This preview shows how black text looks on a background with the Yxy color 50.8748, 0.3202, 0.2600.



This preview shows how white text looks on a background with the Yxy color 50.8748, 0.3202, 0.2600.

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

50.8748, 0.3202, 0.2600

Protanopia

51.1931, 0.2627, 0.2593

Deuteranopia

51.0628, 0.2852, 0.2790



Tritanopia

50.7259, 0.3510, 0.3132

Trichromacy



Original Color

50.8748, 0.3202, 0.2600



Protanomaly

50.4614, 0.2814, 0.2581



Deuteranomaly

50.5640, 0.2974, 0.2716



Tritanomaly

50.6413, 0.3392, 0.2924

Monochromacy



Original Color

50.8748, 0.3202, 0.2600



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

52.3413, 0.3156, 0.3020

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.8748, 0.3202, 0.2600 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(236, 166, 231)` looks like.

```
.text, #text, p{  
    color:rgb(236, 166, 231)  
}
```

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(236, 166, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 166, 231) }
```

Border

The CSS property to change the border of an element to Yxy 50.8748, 0.3202, 0.2600 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(236, 166, 231) }
```

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

```
.border{ border-color:rgb(236, 166, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 166, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 166, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 166, 231);  
box-shadow:4px 4px 4px 4px rgb(236, 166,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 50.8748, 0.3202, 0.2600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 166, 231) }
```

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

```
.background{ background-color: rgb(236,  
166, 231) }
```

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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