

Converting Colors

$Y_{xy}(40.7494, 0.2886, 0.2586)$

Have a look what the booklet for
Yxy(40.7494, 0.2886, 0.2586)
contains.

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Color

Yxy(40.5905, 0.2888, 0.2585)

Conversions

Conversions Part 1

Format	Color
Hex	BAA0D9
RGB	186, 160, 217
RGB Percent	73%, 63%, 85%
CMY	0.2705, 0.3726, 0.1490
CMYK	0.14, 0.26, 0.00, 0.15
HSL	267°, 43%, 74%
HSV	267°, 26%, 85%
XYZ	45.3483, 40.5905, 71.0844
YIQ	174.2720, -2.8010, 23.2390

Conversions

Conversions Part 2

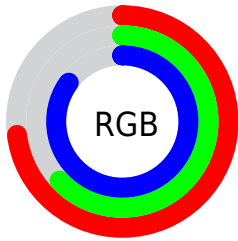
Format	Color
RYB	186, 160, 217
Decimal	12230873
CIELab	69.89, 20.49, -25.42
CIElCh	70, 32.651, 308.878
Yxy	40.5905, 0.2888, 0.2585
Android (android.graphics.Color)	4290420953 (0xFFBAA0D9)
YUV	174.2720, 21.0649, 10.2855
Hunter-Lab	63.7107, 15.5599, -21.5546

Details

The Yxy color $40.5905, 0.2888, 0.2585$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $63.2313, 0.3320, 0.3988$, and the grayscale version is $42.3673, 0.3127, 0.3290$.

A 20% lighter version of the original color is $74.8756, 0.3061, 0.2890$, and $18.2393, 0.2808, 0.2393$ is the 20% darker color. If you saturate the color by 10%, you get $32.2976, 0.2772, 0.2286$, and if you desaturate by 10%, it is $50.3216, 0.2990, 0.2870$.

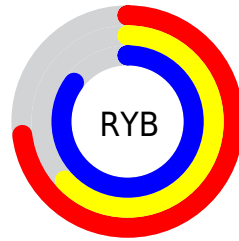
Distribution



Red (73%)

Green (63%)

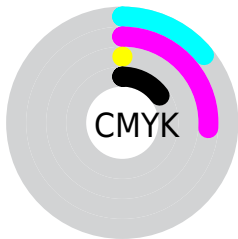
Blue (85%)



Red (73%)

Yellow (63%)

Blue (85%)

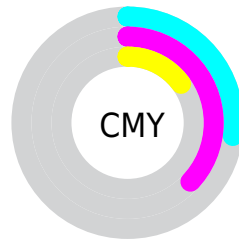


Cyan (14%)

Magenta (26%)

Yellow (0%)

Black (15%)



Cyan (27%)


Magenta (37%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5905, 0.2888, 0.2585 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 40.5905, 0.2888, 0.2585 by changing the saturation by 10% instead.


 40.5905, 0.2888,
0.2585


 40.5905, 0.2888,
0.2585


348.6062, 0.3014,
0.2928

 27.9992, 0.2855,
0.2503


 76.0619, 0.2935,
0.2707

 18.3251, 0.2811,
0.2400


 99.7108, 0.2953,
0.2753

 11.1836, 0.2752,
0.2267


127.8144, 0.2967,
0.2793

 6.1905, 0.2668,
0.2088

160.7570, 0.2979,
0.2827

 2.9613, 0.2539,
0.1839

198.9231, 0.2990,
0.2857

 1.1115, 0.2323,
0.1474

242.6971, 0.2999,

 0.0000, 0.1959,

0.2884

0.0000

292.4633, 0.3007,
0.2907

0.0000, 0.0000,
0.0000

40.5905, 0.2888,
0.2585

40.5905, 0.2888,
0.2585

32.2976, 0.2772,
0.2286

50.3216, 0.2990,
0.2870

25.3668, 0.2644,
0.1983

61.5519, 0.3078,
0.3135

19.7222, 0.2506,
0.1687

74.3450, 0.3154,
0.3378

15.2783, 0.2364,
0.1414

88.7594, 0.3217,
0.3597

11.9390, 0.2223,
0.1180

95.9370, 0.3286,
0.3669

■ 9.5923, 0.2090,
0.0998

■ 97.7894, 0.3352,
0.3661

■ 8.0984, 0.1972,
0.0875

■ 7.6675, 0.1931,
0.0838

Harmonies

Analogous

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



40.5905, 0.2502, 0.2527



40.5905, 0.2888, 0.2585



40.5905, 0.3371, 0.2798

Triad

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



40.5905, 0.2888, 0.2585



40.5905, 0.4031, 0.3861



40.5905, 0.2470, 0.3417

Complementary

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



40.5905, 0.2888, 0.2585



63.2313, 0.3320, 0.3988

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.



40.5905, 0.2843, 0.3870



40.5905, 0.2888, 0.2585



40.5905, 0.3749, 0.4110

Square

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



40.5905, 0.2888, 0.2585



40.5905, 0.4061, 0.3501



40.5905, 0.3311, 0.4132



40.5905, 0.2276, 0.2964

Rectangle

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



40.5905, 0.2888, 0.2585



40.5905, 0.3680, 0.3005



40.5905, 0.3311, 0.4132



40.5905, 0.2578, 0.3577

Sweetspot

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



40.5922, 0.2888, 0.2585



85.6260, 0.3064, 0.3089



49.8946, 0.2714, 0.2961



17.7840, 0.3051, 0.3049



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.



40.5922, 0.2888, 0.2585



51.0603, 0.2820, 0.2406



44.4674, 0.3132, 0.2635



12.9070, 0.3052, 0.3053



4.7030, 0.1946, 0.0846



0.3555, 0.2129, 0.0946

Inverse Universe

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



43.6510, 0.3389, 0.2924



56.3488, 0.3468, 0.2837



59.9301, 0.3112, 0.4034



13.1693, 0.3207, 0.3164



9.7418, 0.4767, 0.2400



0.6484, 0.4444, 0.2222

Previews

White Background



This preview shows how the Yxy color 40.5905, 0.2888, 0.2585 looks on a white background.

Color Contrast Check

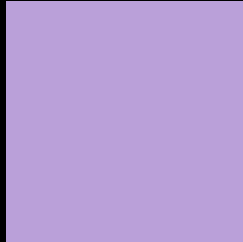
Large Text (above 18pt) WCAG AA × Fail

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 40.5905, 0.2888, 0.2585 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

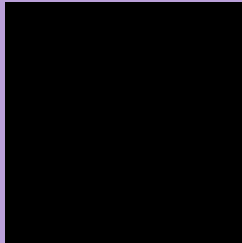
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.5905, 0.2888, 0.2585

Background



This preview shows how black text looks on a background with the Yxy color 40.5905, 0.2888, 0.2585.



This preview shows how white text looks on a background with the Yxy color 40.5905, 0.2888, 0.2585.

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

40.5905, 0.2888, 0.2585

Protanopia

40.7716, 0.2617, 0.2589

Deuteranopia

40.8041, 0.2729, 0.2678



Tritanopia

40.6360, 0.3135, 0.3117

Trichromacy



Original Color

40.5905, 0.2888, 0.2585

Protanomaly

40.7084, 0.2709, 0.2587

Deuteranomaly

40.6388, 0.2782, 0.2638

Tritanomaly

40.3463, 0.3045, 0.2912

Monochromacy



Original Color

40.5905, 0.2888, 0.2585

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

41.5586, 0.3034, 0.3013

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5905, 0.2888, 0.2585 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(186, 160, 217)` looks like.

```
.text, #text, p{  
    color:rgb(186, 160, 217)  
}
```

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(186, 160, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 160, 217) }
```

Border

The CSS property to change the border of an element to Yxy 40.5905, 0.2888, 0.2585 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(186, 160, 217) }
```

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

```
.border{ border-color:rgb(186, 160, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 160, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 160, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 160, 217);  
box-shadow:4px 4px 4px 4px rgb(186, 160,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5905, 0.2888, 0.2585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 160, 217) }
```

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

```
.background{ background-color: rgb(186,  
160, 217) }
```

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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