

Converting Colors

$Y_{xy}(40.6770, 0.2989, 0.2456)$

Have a look what the booklet for
Yxy(40.6770, 0.2989, 0.2456)
contains.

Yxy(40.6757, 0.2987, 0.2450)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.6757, 0.2987, 0.2450)

Conversions

Conversions Part 1

Format	Color
Hex	CC98E0
RGB	204, 152, 224
RGB Percent	80%, 60%, 88%
CMY	0.1999, 0.4040, 0.1216
CMYK	0.09, 0.32, 0.00, 0.12
HSL	283°, 54%, 74%
HSV	283°, 32%, 88%
XYZ	49.5911, 40.6757, 75.7564
YIQ	175.7560, 7.8800, 33.4160

Conversions

Conversions Part 2

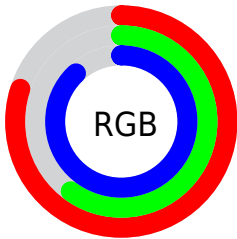
Format	Color
R_{YB}	204, 152, 224
Decimal	13408480
CIE _{Lab}	69.95, 32.06, -29.04
CIE _{LCh}	70, 43.252, 317.833
Yxy	40.6757, 0.2987, 0.2450
Android (android.graphics.Color)	4291598560 (0xFFCC98E0)
YUV	175.7560, 23.7843, 24.7700
Hunter-Lab	63.7775, 27.1847, -25.7818

Details

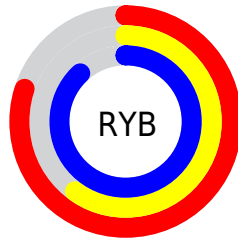
The Yxy color $40.6757, 0.2987, 0.2450$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $64.3423, 0.3220, 0.4200$, and the grayscale version is $43.1552, 0.3127, 0.3290$.

A 20% lighter version of the original color is $73.1056, 0.3149, 0.2821$, and $18.3685, 0.2930, 0.2232$ is the 20% darker color. If you saturate the color by 10%, you get $33.2203, 0.2928, 0.2179$, and if you desaturate by 10%, it is $49.5425, 0.3039, 0.2722$.

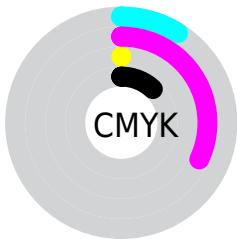
Distribution



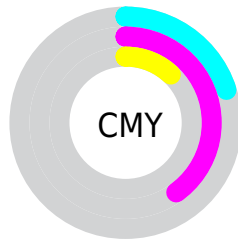
- Red (80%)
- Green (60%)
- Blue (88%)



- Red (80%)
- Yellow (60%)
- Blue (88%)



- Cyan (9%)
- Magenta (32%)
- Yellow (0%)
- Black (12%)




- Cyan (20%)
- Magenta (40%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.6757, 0.2987, 0.2450 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 40.6757, 0.2987, 0.2450 by changing the saturation by 10% instead.


 40.6757, 0.2987,
0.2450


 40.6757, 0.2987,
0.2450


348.9634, 0.3067,
0.2850

 28.0658, 0.2964,
0.2357

 76.1914, 0.3018,
0.2591

 18.3752, 0.2934,
0.2240


 99.8659, 0.3029,
0.2645

 11.2197, 0.2892,
0.2092


127.9974, 0.3039,
0.2691

 6.2148, 0.2829,
0.1898

160.9702, 0.3046,
0.2732

 2.9761, 0.2731,
0.1634

199.1689, 0.3053,
0.2767

 1.1193, 0.2560,
0.1265

242.9777, 0.3058,

 0.0000, 0.2401,

0.2798

0.0000

292.7811, 0.3063,
0.2826

0.0000, 0.0000,
0.0000

40.6757, 0.2987,
0.2450

40.6757, 0.2987,
0.2450

33.2203, 0.2928,
0.2179

49.5425, 0.3039,
0.2722

27.0933, 0.2862,
0.1920

59.8873, 0.3083,
0.2986

22.2107, 0.2790,
0.1684


71.7786, 0.3120,
0.3238

18.4767, 0.2715,
0.1483


85.2794, 0.3151,
0.3473

15.7813, 0.2639,
0.1325


94.5783, 0.3182,
0.3604


 13.9923, 0.2565,
0.1215

 95.6544, 0.3221,
0.3600

 13.0525, 0.2509,
0.1156

 96.7677, 0.3261,
0.3596

 97.9187, 0.3301,
0.3592

 98.1617, 0.3310,
0.3592

Harmonies

Analogous

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



40.6757, 0.2440, 0.2310



40.6757, 0.2987, 0.2450



40.6757, 0.3634, 0.2765

Triad

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



40.6757, 0.2987, 0.2450



40.6757, 0.4225, 0.4133



40.6757, 0.2171, 0.3252

Complementary

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



40.6757, 0.2987, 0.2450



64.3423, 0.3220, 0.4200

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.



40.6757, 0.2580, 0.3905



40.6757, 0.2987, 0.2450



40.6757, 0.3767, 0.4421

Square

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



40.6757, 0.2987, 0.2450



40.6757, 0.4389, 0.3682



40.6757, 0.3163, 0.4366



40.6757, 0.2009, 0.2700

Rectangle

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



40.6757, 0.2987, 0.2450



40.6757, 0.4019, 0.3045



40.6757, 0.3163, 0.4366



40.6757, 0.2281, 0.3471

Sweetspot

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



40.6774, 0.2987, 0.2450



83.4795, 0.3091, 0.3040



41.7109, 0.2588, 0.2618



17.4079, 0.3086, 0.3003



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.



40.6774, 0.2987, 0.2450



47.2470, 0.2945, 0.2256



42.8739, 0.3303, 0.2652



13.7347, 0.3094, 0.3056



7.6578, 0.2520, 0.1162



0.5748, 0.2630, 0.1222

Inverse Universe

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



41.2771, 0.3658, 0.3056



48.3101, 0.3830, 0.3003



62.7967, 0.2990, 0.4027



13.7627, 0.3249, 0.3225



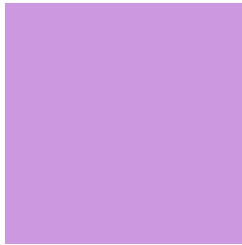
9.4442, 0.5833, 0.2987



0.6696, 0.5391, 0.2743

Previews

White Background



This preview shows how the Yxy color 40.6757, 0.2987, 0.2450 looks on a white background.

Color Contrast Check

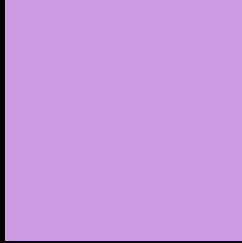
Large Text (above 18pt) WCAG AA × Fail

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 40.6757, 0.2987, 0.2450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

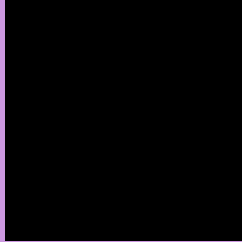
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.6757, 0.2987, 0.2450

Background



This preview shows how black text looks on a background with the Yxy color 40.6757, 0.2987, 0.2450.



This preview shows how white text looks on a background with the Yxy color 40.6757, 0.2987, 0.2450.

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

40.6757, 0.2987, 0.2450

Protanopia

41.0697, 0.2497, 0.2428

Deuteranopia

40.8028, 0.2666, 0.2605



Tritanopia

40.7670, 0.3354, 0.3137

Trichromacy



Original Color

40.6757, 0.2987, 0.2450



Protanomaly

40.5666, 0.2655, 0.2434



Deuteranomaly

40.4617, 0.2777, 0.2540



Tritanomaly

40.5389, 0.3222, 0.2867

Monochromacy



Original Color

40.6757, 0.2987, 0.2450



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

41.9268, 0.3080, 0.2955

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6757, 0.2987, 0.2450 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(204, 152, 224)` looks like.

```
.text, #text, p{  
    color:rgb(204, 152, 224)  
}
```

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(204, 152, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 152, 224) }
```

Border

The CSS property to change the border of an element to Yxy 40.6757, 0.2987, 0.2450 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(204, 152, 224) }
```

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

```
.border{ border-color:rgb(204, 152, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 152, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 152, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 152, 224);  
box-shadow:4px 4px 4px 4px rgb(204, 152,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6757, 0.2987, 0.2450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 152, 224) }
```

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

```
.background{ background-color: rgb(204,  
152, 224) }
```

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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