

Converting Colors

$Yxy(40.9161, 0.2793, 0.2404)$

Have a look what the booklet for
Yxy(40.9161, 0.2793, 0.2404)
contains.

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Color

Yxy(40.9713, 0.2792, 0.2407)

Conversions

Conversions Part 1

Format	Color
Hex	BC9EE8
RGB	188, 158, 232
RGB Percent	74%, 62%, 91%
CMY	0.2628, 0.3803, 0.0903
CMYK	0.19, 0.32, 0.00, 0.09
HSL	264°, 62%, 76%
HSV	264°, 32%, 91%
XYZ	47.5247, 40.9713, 81.7213
YIQ	175.4060, -5.8740, 29.3740

Conversions

Conversions Part 2

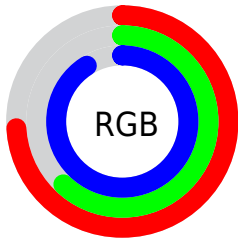
Format	Color
R_{YB}	188, 158, 232
Decimal	12361448
CIE _{Lab}	70.16, 25.49, -33.21
CIE _{LCh}	70, 41.867, 307.509
Yxy	40.9713, 0.2792, 0.2407
Android (android.graphics.Color)	4290551528 (0xFFBC9EE8)
YUV	175.4060, 27.9008, 11.0449
Hunter-Lab	64.0088, 20.5155, -30.8905

Details

The Yxy color $40.9713, 0.2792, 0.2407$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $72.7189, 0.3386, 0.4147$, and the grayscale version is $42.9461, 0.3127, 0.3290$.

A 20% lighter version of the original color is $74.2210, 0.3076, 0.2872$, and $18.5110, 0.2692, 0.2183$ is the 20% darker color. If you saturate the color by 10%, you get $32.1224, 0.2657, 0.2097$, and if you desaturate by 10%, it is $51.4845, 0.2913, 0.2706$.

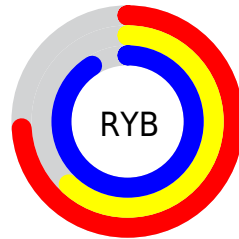
Distribution



Red (74%)

Green (62%)

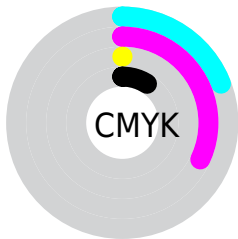
Blue (91%)



Red (74%)

Yellow (62%)

Blue (91%)

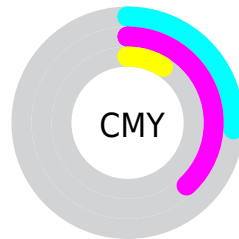


Cyan (19%)

Magenta (32%)

Yellow (0%)

Black (9%)



Cyan (26%)


Magenta (38%)


Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.9713, 0.2792, 0.2407 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 40.9713, 0.2792, 0.2407 by changing the saturation by 10% instead.


 40.9713, 0.2792,
0.2407

 40.9713, 0.2792,
0.2407


350.2007, 0.2968,
0.2828

 28.2967, 0.2746,
0.2309


 76.6403, 0.2857,
0.2555

 18.5494, 0.2687,
0.2187


 100.4035, 0.2881,
0.2612

 11.3451, 0.2608,
0.2032


128.6316, 0.2902,
0.2661

 6.2995, 0.2497,
0.1830

161.7091, 0.2919,
0.2703

 3.0280, 0.2333,
0.1558

200.0204, 0.2934,
0.2740

 1.1464, 0.2073,
0.1183

243.9498, 0.2947,

 0.0172, 0.1701,

0.2773

0.0046

293.8818, 0.2958,
0.2802

0.0000, 0.0000,
0.0000

40.9713, 0.2792,
0.2407

40.9713, 0.2792,
0.2407

32.1224, 0.2657,
0.2097

51.4845, 0.2913,
0.2706

24.8440, 0.2510,
0.1787

63.7391, 0.3020,
0.2987

19.0401, 0.2357,
0.1493

77.8134, 0.3111,
0.3244

14.6021, 0.2204,
0.1233

93.7793, 0.3190,
0.3477

11.4053, 0.2059,
0.1021

98.6043, 0.3262,
0.3513

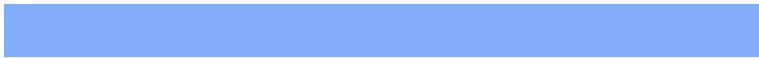
■ 9.3009, 0.1930,
0.0869

■ 8.2048, 0.1839,
0.0787

Harmonies

Analogous

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



40.9713, 0.2324, 0.2340



40.9713, 0.2792, 0.2407



40.9713, 0.3403, 0.2660

Triad

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



40.9713, 0.2792, 0.2407



40.9713, 0.4282, 0.3969



40.9713, 0.2313, 0.3473

Complementary

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



40.9713, 0.2792, 0.2407



72.7189, 0.3386, 0.4147

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.



40.9713, 0.2782, 0.4071



40.9713, 0.2792, 0.2407



40.9713, 0.3924, 0.4317

Square

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



40.9713, 0.2792, 0.2407



40.9713, 0.4315, 0.3511



40.9713, 0.3372, 0.4391



40.9713, 0.2069, 0.2883

Rectangle

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



40.9713, 0.2792, 0.2407



40.9713, 0.3807, 0.2908



40.9713, 0.3372, 0.4391



40.9713, 0.2448, 0.3685

Sweetspot

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



40.9730, 0.2792, 0.2407



82.0321, 0.3038, 0.3036



55.5172, 0.2628, 0.2925



17.0576, 0.3024, 0.2998



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.



40.9730, 0.2792, 0.2407



43.6286, 0.2708, 0.2212



46.2219, 0.3100, 0.2483



14.1708, 0.3043, 0.3052



4.6255, 0.1856, 0.0796



0.3949, 0.2020, 0.0886

Inverse Universe

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



45.8730, 0.3428, 0.2801



50.6916, 0.3509, 0.2702



68.2066, 0.3131, 0.4219



14.5112, 0.3200, 0.3151



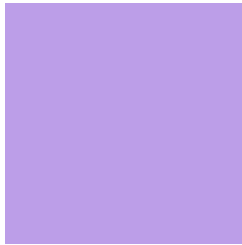
10.5681, 0.4558, 0.2285



0.7992, 0.4308, 0.2147

Previews

White Background



This preview shows how the Yxy color 40.9713, 0.2792, 0.2407 looks on a white background.

Color Contrast Check

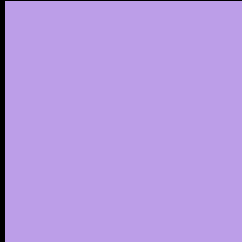
Large Text (above 18pt) WCAG AA × Fail

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 40.9713, 0.2792, 0.2407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

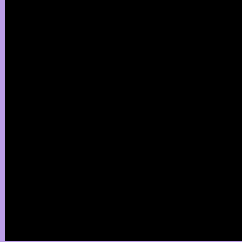
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.9713, 0.2792, 0.2407

Background



This preview shows how black text looks on a background with the Yxy color 40.9713, 0.2792, 0.2407.



This preview shows how white text looks on a background with the Yxy color 40.9713, 0.2792, 0.2407.

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

40.9713, 0.2792, 0.2407

Protanopia

41.2108, 0.2468, 0.2385

Deuteranopia

41.1570, 0.2573, 0.2511



Tritanopia

40.9252, 0.3117, 0.3117

Trichromacy



Original Color

40.9713, 0.2792, 0.2407

Protanomaly

40.9758, 0.2575, 0.2387

Deuteranomaly

41.0046, 0.2649, 0.2467

Tritanomaly

40.6661, 0.2988, 0.2826

Monochromacy



Original Color

40.9713, 0.2792, 0.2407

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

42.0648, 0.3003, 0.2939

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9713, 0.2792, 0.2407 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(188, 158, 232)` looks like.

```
.text, #text, p{  
  color:rgb(188, 158, 232)  
}
```

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(188, 158, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 158, 232) }
```

Border

The CSS property to change the border of an element to Yxy 40.9713, 0.2792, 0.2407 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(188, 158, 232) }
```

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

```
.border{ border-color:rgb(188, 158, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 158, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 158, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 158, 232);  
box-shadow:4px 4px 4px 4px rgb(188, 158,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9713, 0.2792, 0.2407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 158, 232) }
```

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

```
.background{ background-color: rgb(188,  
158, 232) }
```

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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