

Converting Colors

$Y_{xy}(40.3000, 0.3028, 0.2792)$

Have a look what the booklet for
Yxy(40.3000, 0.3028, 0.2792)
contains.

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Color

Yxy(40.2247, 0.3032, 0.2793)

Conversions

Conversions Part 1

Format	Color
Hex	BBA1C8
RGB	187, 161, 200
RGB Percent	73%, 63%, 78%
CMY	0.2667, 0.3686, 0.2155
CMYK	0.07, 0.20, 0.00, 0.22
HSL	280°, 26%, 71%
HSV	280°, 20%, 78%
XYZ	43.6668, 40.2247, 60.1282
YIQ	173.2200, 2.9770, 17.6410

Conversions

Conversions Part 2

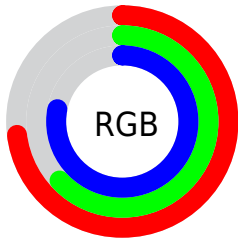
Format	Color
RYB	187, 161, 200
Decimal	12296648
CIELab	69.63, 16.72, -16.45
CIElCh	70, 23.454, 315.467
Yxy	40.2247, 0.3032, 0.2793
Android (android.graphics.Color)	4290486728 (0xFFBBA1C8)
YUV	173.2200, 13.2025, 12.0851
Hunter-Lab	63.4229, 11.9073, -11.8139

Details

The Yxy color $40.2247, 0.3032, 0.2793$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $52.9018, 0.3205, 0.3805$, and the grayscale version is $41.8390, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.3864, 0.3061, 0.2900$, and $18.0809, 0.3005, 0.2652$ is the 20% darker color. If you saturate the color by 10%, you get $32.9622, 0.2970, 0.2520$, and if you desaturate by 10%, it is $48.6482, 0.3085, 0.3055$.

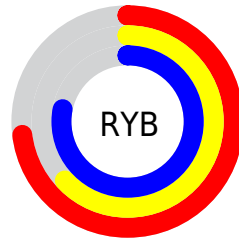
Distribution



Red (73%)

Green (63%)

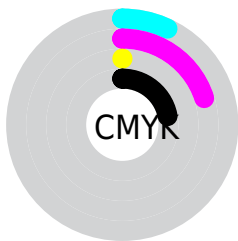
Blue (78%)



Red (73%)

Yellow (63%)

Blue (78%)

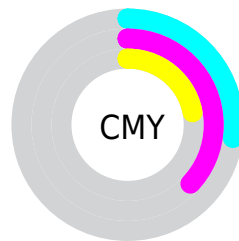


Cyan (7%)

Magenta (20%)

Yellow (0%)

Black (22%)



Cyan (27%)

Magenta (37%)

Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.2247, 0.3032, 0.2793 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 40.2247, 0.3032, 0.2793 by changing the saturation by 10% instead.


 40.2247, 0.3032,
0.2793


 40.2247, 0.3032,
0.2793


347.0697, 0.3084,
0.3039

 27.7138, 0.3018,
0.2733


 75.5056, 0.3052,
0.2882

 18.1100, 0.2999,
0.2656

 99.0443, 0.3059,
0.2915

 11.0290, 0.2973,
0.2555


127.0277, 0.3065,
0.2943

 6.0863, 0.2933,
0.2416

159.8403, 0.3070,
0.2968

 2.8977, 0.2871,
0.2215

197.8664, 0.3074,
0.2989

 1.0785, 0.2756,
0.1900

241.4904, 0.3078,

 0.0000, 0.2492,

0.3008

0.0000

291.0967, 0.3081,
0.3024

■ 0.0000, 0.0000,
0.0000

■ 40.2247, 0.3032,
0.2793

■ 40.2247, 0.3032,
0.2793

■ 32.9622, 0.2970,
0.2520

■ 48.6482, 0.3085,
0.3055

■ 26.8021, 0.2900,
0.2244

■ 58.2778, 0.3129,
0.3302

■ 21.6880, 0.2821,
0.1973

■ 69.1621, 0.3166,
0.3530

■ 17.5567, 0.2736,
0.1720

■ 81.3456, 0.3196,
0.3739

■ 14.3379, 0.2646,
0.1497

■ 90.9704, 0.3226,
0.3871

■ 11.9515, 0.2555,
0.1314

■ 92.0363, 0.3269,
0.3863

■ 10.3032, 0.2467,
0.1179

■ 93.1444, 0.3313,
0.3855

■ 9.2248, 0.2382,
0.1088

■ 94.2950, 0.3357,
0.3847

■ 9.1772, 0.2378,
0.1084

■ 95.4888, 0.3401,
0.3839

Harmonies

Analogous

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



40.2247, 0.2724, 0.2726



40.2247, 0.3032, 0.2793



40.2247, 0.3382, 0.2975

Triad

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



40.2247, 0.3032, 0.2793



40.2247, 0.3752, 0.3764



40.2247, 0.2604, 0.3312

Complementary

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



40.2247, 0.3032, 0.2793



52.9018, 0.3205, 0.3805

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.



40.2247, 0.2858, 0.3637



40.2247, 0.3032, 0.2793



40.2247, 0.3521, 0.3900

Square

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



40.2247, 0.3032, 0.2793



40.2247, 0.3811, 0.3518



40.2247, 0.3192, 0.3859



40.2247, 0.2489, 0.3002

Rectangle

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



40.2247, 0.3032, 0.2793



40.2247, 0.3590, 0.3142



40.2247, 0.3192, 0.3859



40.2247, 0.2675, 0.3424

Sweetspot

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



40.2264, 0.3032, 0.2793



89.6674, 0.3101, 0.3142



42.2779, 0.2817, 0.2949



18.9620, 0.3098, 0.3125



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.



40.2264, 0.3032, 0.2793



64.5904, 0.3010, 0.2690



41.6774, 0.3201, 0.2879



10.6324, 0.3085, 0.3059



5.8835, 0.2389, 0.1090



0.3170, 0.2564, 0.1186

Inverse Universe

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



40.8317, 0.3384, 0.3125



65.8526, 0.3447, 0.3091



51.6874, 0.3061, 0.3739



10.6944, 0.3238, 0.3213



8.0788, 0.5615, 0.2867



0.3960, 0.5021, 0.2539

Previews

White Background



This preview shows how the Yxy color 40.2247, 0.3032, 0.2793 looks on a white background.

Color Contrast Check

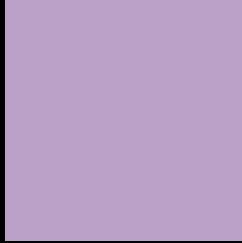
Large Text (above 18pt) WCAG AA × Fail

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 40.2247, 0.3032, 0.2793 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

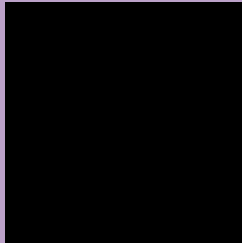
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.2247, 0.3032, 0.2793

Background



This preview shows how black text looks on a background with the Yxy color 40.2247, 0.3032, 0.2793.



This preview shows how white text looks on a background with the Yxy color 40.2247, 0.3032, 0.2793.

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

40.2247, 0.3032, 0.2793

Protanopia

40.4651, 0.2785, 0.2810

Deuteranopia

40.2802, 0.2918, 0.2855



Tritanopia

40.3150, 0.3191, 0.3118

Trichromacy



Original Color

40.2247, 0.3032, 0.2793

Protanomaly

40.2422, 0.2871, 0.2803

Deuteranomaly

40.1394, 0.2961, 0.2834

Tritanomaly

40.4104, 0.3131, 0.3002

Monochromacy



Original Color

40.2247, 0.3032, 0.2793

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

41.2598, 0.3091, 0.3103

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2247, 0.3032, 0.2793 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(187, 161, 200)` looks like.

```
.text, #text, p{  
    color:rgb(187, 161, 200)  
}
```

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(187, 161, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 161, 200) }
```

Border

The CSS property to change the border of an element to Yxy 40.2247, 0.3032, 0.2793 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(187, 161, 200) }
```

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

```
.border{ border-color:rgb(187, 161, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 161, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 161, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 161, 200);  
box-shadow:4px 4px 4px 4px rgb(187, 161,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2247, 0.3032, 0.2793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 161, 200) }
```

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

```
.background{ background-color: rgb(187,  
161, 200) }
```

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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