

Converting Colors

$Y_{xy}(40.0987, 0.2880, 0.2299)$

Have a look what the booklet for
Yxy(40.0987, 0.2880, 0.2299)
contains.

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Color

Yxy(40.1076, 0.2874, 0.2294)

Conversions

Conversions Part 1

Format	Color
Hex	CA95EC
RGB	202, 149, 236
RGB Percent	79%, 58%, 93%
CMY	0.2079, 0.4157, 0.0743
CMYK	0.14, 0.37, 0.00, 0.07
HSL	277°, 70%, 75%
HSV	277°, 37%, 93%
XYZ	50.2481, 40.1076, 84.4812
YIQ	174.7650, 3.6610, 38.2930

Conversions

Conversions Part 2

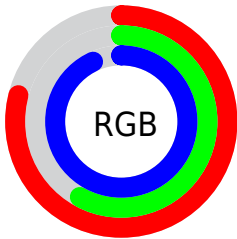
Format	Color
R_{YB}	202, 149, 236
Decimal	13276652
CIE _{Lab}	69.55, 35.56, -36.29
CIE _{LCh}	70, 50.806, 314.422
Yxy	40.1076, 0.2874, 0.2294
Android (android.graphics.Color)	4291466732 (0xFFCA95EC)
YUV	174.7650, 30.1889, 23.8851
Hunter-Lab	63.3306, 30.7981, -34.7598

Details

The Yxy color $40.1076, 0.2874, 0.2294$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $72.2579, 0.3297, 0.4334$, and the grayscale version is $42.5828, 0.3127, 0.3290$.

A 20% lighter version of the original color is $71.6657, 0.3151, 0.2792$, and $18.0477, 0.2790, 0.2052$ is the 20% darker color. If you saturate the color by 10%, you get $32.1324, 0.2782, 0.2010$, and if you desaturate by 10%, it is $49.6766, 0.2957, 0.2579$.

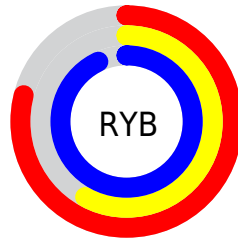
Distribution



Red (79%)

Green (58%)

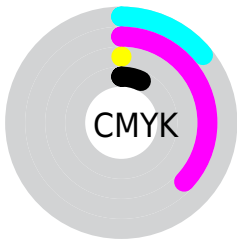
Blue (93%)



Red (79%)

Yellow (58%)

Blue (93%)

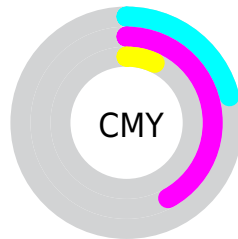


Cyan (14%)

Magenta (37%)

Yellow (0%)

Black (7%)



Cyan (21%)


Magenta (42%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.1076, 0.2874, 0.2294 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 40.1076, 0.2874, 0.2294 by changing the saturation by 10% instead.

 40.1076, 0.2874,
0.2294


 40.1076, 0.2874,
0.2294


346.5769, 0.3013,
0.2762

 27.6224, 0.2836,
0.2187


 75.3273, 0.2927,
0.2457

 18.0412, 0.2787,
0.2055


 98.8307, 0.2946,
0.2520

 10.9796, 0.2720,
0.1889


126.7756, 0.2962,
0.2575

 6.0531, 0.2624,
0.1675

159.5464, 0.2976,
0.2622

 2.8774, 0.2479,
0.1394

197.5276, 0.2987,
0.2664

 1.0681, 0.2244,
0.1020

241.1034, 0.2997,

 0.0000, 0.1936,

0.2700

0.0000

290.6584, 0.3006,
0.2733

■ 0.0000, 0.0000,
0.0000

■ 40.1076, 0.2874,
0.2294

■ 40.1076, 0.2874,
0.2294

■ 32.1324, 0.2782,
0.2010

■ 49.6766, 0.2957,
0.2579

■ 25.6526, 0.2681,
0.1740

■ 60.9201, 0.3029,
0.2857

■ 20.5667, 0.2576,
0.1496

■ 73.9189, 0.3090,
0.3120

■ 16.7576, 0.2469,
0.1292

■ 88.7474, 0.3142,
0.3364

■ 14.0884, 0.2365,
0.1136

■ 97.5642, 0.3194,
0.3475

■ 12.3845, 0.2267,
0.1033

■ 98.8386, 0.3238,
0.3473

■ 11.9620, 0.2238,
0.1006

Harmonies

Analogous

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



40.1076, 0.2269, 0.2158



40.1076, 0.2874, 0.2294



40.1076, 0.3634, 0.2631

Triad

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



40.1076, 0.2874, 0.2294



40.1076, 0.4445, 0.4193



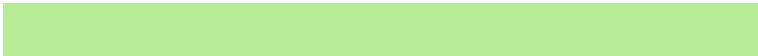
40.1076, 0.2053, 0.3320

Complementary

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



40.1076, 0.2874, 0.2294



72.2579, 0.3297, 0.4334

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.



40.1076, 0.2548, 0.4109



40.1076, 0.2874, 0.2294



40.1076, 0.3930, 0.4591

Square

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



40.1076, 0.2874, 0.2294



40.1076, 0.4605, 0.3656



40.1076, 0.3234, 0.4613



40.1076, 0.1844, 0.2647

Rectangle

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



40.1076, 0.2874, 0.2294



40.1076, 0.4110, 0.2939



40.1076, 0.3234, 0.4613



40.1076, 0.2188, 0.3587

Sweetspot

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



40.1093, 0.2874, 0.2294



81.3689, 0.3066, 0.3012



46.6530, 0.2517, 0.2631



16.9640, 0.3058, 0.2976



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.



40.1093, 0.2874, 0.2294



40.6704, 0.2807, 0.2086



44.8996, 0.3245, 0.2459



15.0027, 0.3075, 0.3053



6.6681, 0.2253, 0.1015



0.5790, 0.2383, 0.1087

Inverse Universe

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



42.7558, 0.3670, 0.2911



44.4194, 0.3828, 0.2836



68.8630, 0.3027, 0.4294



15.1516, 0.3231, 0.3198



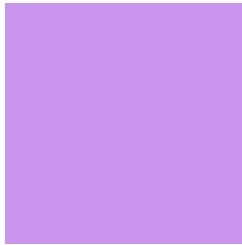
10.2824, 0.5411, 0.2754



0.8258, 0.5040, 0.2550

Previews

White Background



This preview shows how the Yxy color 40.1076, 0.2874, 0.2294 looks on a white background.

Color Contrast Check

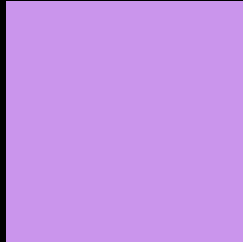
Large Text (above 18pt) WCAG AA × Fail

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 40.1076, 0.2874, 0.2294 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

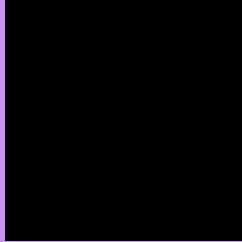
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.1076, 0.2874, 0.2294

Background



This preview shows how black text looks on a background with the Yxy color 40.1076, 0.2874, 0.2294.



This preview shows how white text looks on a background with the Yxy color 40.1076, 0.2874, 0.2294.

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

40.1076, 0.2874, 0.2294

Protanopia

40.3533, 0.2361, 0.2247

Deuteranopia

40.4108, 0.2525, 0.2468



Tritanopia

40.1031, 0.3306, 0.3134

Trichromacy



Original Color

40.1076, 0.2874, 0.2294



Protanomaly

39.6879, 0.2519, 0.2246



Deuteranomaly

39.9190, 0.2646, 0.2399



Tritanomaly

39.8809, 0.3141, 0.2790

Monochromacy



Original Color

40.1076, 0.2874, 0.2294



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

41.6179, 0.3039, 0.2892

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1076, 0.2874, 0.2294 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(202, 149, 236)` looks like.

```
.text, #text, p{  
    color:rgb(202, 149, 236)  
}
```

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(202, 149, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 149, 236) }
```

Border

The CSS property to change the border of an element to Yxy 40.1076, 0.2874, 0.2294 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(202, 149, 236) }
```

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

```
.border{ border-color:rgb(202, 149, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 149, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 149, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 149, 236);  
box-shadow:4px 4px 4px 4px rgb(202, 149,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1076, 0.2874, 0.2294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 149, 236) }
```

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

```
.background{ background-color: rgb(202,  
149, 236) }
```

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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