

Converting Colors

$Y_{xy}(41.7478, 0.2938, 0.2388)$

Have a look what the booklet for
Yxy(41.7478, 0.2938, 0.2388)
contains.

Yxy(41.7305, 0.2941, 0.2387)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(41.7305, 0.2941, 0.2387)

Conversions

Conversions Part 1

Format	Color
Hex	CE99E8
RGB	206, 153, 232
RGB Percent	81%, 60%, 91%
CMY	0.1920, 0.4000, 0.0903
CMYK	0.11, 0.34, 0.00, 0.09
HSL	280°, 63%, 75%
HSV	280°, 34%, 91%
XYZ	51.4158, 41.7305, 81.6778
YIQ	177.8530, 6.2290, 35.8050

Conversions

Conversions Part 2

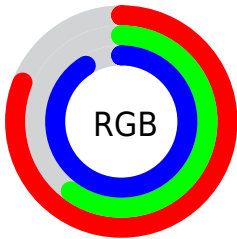
Format	Color
R _{YB}	206, 153, 232
Decimal	13539816
CIE _{Lab}	70.68, 33.76, -32.27
CIE _{LCh}	71, 46.701, 316.296
Yxy	41.7305, 0.2941, 0.2387
Android (android.graphics.Color)	4291729896 (0xFFCE99E8)
YUV	177.8530, 26.6945, 24.6849
Hunter-Lab	64.5991, 29.0232, -29.7456

Details

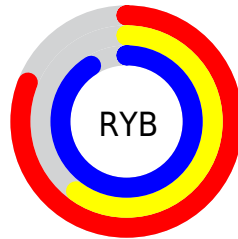
The Yxy color **41.7305, 0.2941, 0.2387** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **69.5818, 0.3252, 0.4255**, and the grayscale version is **44.2949, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.5918, 0.3149, 0.2831**, and **19.0213, 0.2880, 0.2169** is the 20% darker color. If you saturate the color by 10%, you get **33.7981, 0.2867, 0.2110**, and if you desaturate by 10%, it is **51.1955, 0.3006, 0.2665**.

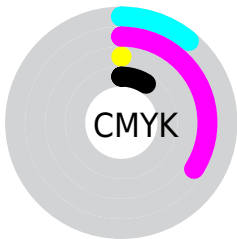
Distribution



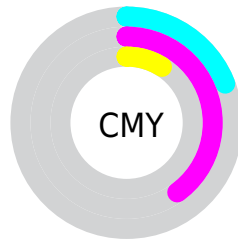
- Red (81%)
- Green (60%)
- Blue (91%)



- Red (81%)
- Yellow (60%)
- Blue (91%)



- Cyan (11%)
- Magenta (34%)
- Yellow (0%)
- Black (9%)



- Cyan (19%)
- Magenta (40%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.7305, 0.2941, 0.2387 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 41.7305, 0.2941, 0.2387 by changing the saturation by 10% instead.


 41.7305, 0.2941,
0.2387


 41.7305, 0.2941,
0.2387

353.3645, 0.3045,
0.2813

 28.8903, 0.2913,
0.2289


 77.7916, 0.2981,
0.2536

 18.9979, 0.2875,
0.2168


 101.7813, 0.2995,
0.2593

 11.6687, 0.2823,
0.2015


130.2563, 0.3007,
0.2643

 6.5185, 0.2749,
0.1816

163.6010, 0.3017,
0.2686

 3.1629, 0.2634,
0.1551

202.1997, 0.3026,
0.2723

 1.2173, 0.2443,
0.1188

246.4370, 0.3033,

 0.0758, 0.2206,

0.2757

0.0186

296.6971, 0.3039,
0.2786

0.0000, 0.0000,
0.0000

41.7305, 0.2941,
0.2387

41.7305, 0.2941,
0.2387

33.7981, 0.2867,
0.2110

51.1955, 0.3006,
0.2665

27.3063, 0.2786,
0.1846

62.2674, 0.3063,
0.2935

22.1614, 0.2698,
0.1605

75.0221, 0.3110,
0.3191

18.2560, 0.2609,
0.1401

89.5290, 0.3150,
0.3430

15.4659, 0.2519,
0.1242

96.6036, 0.3193,
0.3517

■ 13.6399, 0.2433,
0.1133

■ 97.9962, 0.3241,
0.3514

■ 12.8713, 0.2384,
0.1087

■ 98.6054, 0.3262,
0.3513

Harmonies

Analogous

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



41.7305, 0.2371, 0.2249



41.7305, 0.2941, 0.2387



41.7305, 0.3633, 0.2710

Triad

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



41.7305, 0.2941, 0.2387



41.7305, 0.4313, 0.4158



41.7305, 0.2125, 0.3280

Complementary

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



41.7305, 0.2941, 0.2387



69.5818, 0.3252, 0.4255

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.



41.7305, 0.2569, 0.3986



41.7305, 0.2941, 0.2387



41.7305, 0.3834, 0.4489

Square

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



41.7305, 0.2941, 0.2387



41.7305, 0.4474, 0.3671



41.7305, 0.3193, 0.4464



41.7305, 0.1943, 0.2680

Rectangle

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



41.7305, 0.2941, 0.2387



41.7305, 0.4054, 0.3002



41.7305, 0.3193, 0.4464



41.7305, 0.2246, 0.3517

Sweetspot

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



41.7323, 0.2941, 0.2387



83.2415, 0.3083, 0.3039



44.9669, 0.2558, 0.2621



17.3502, 0.3076, 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.



41.7323, 0.2941, 0.2387



44.4947, 0.2889, 0.2188



45.0383, 0.3281, 0.2573



14.3656, 0.3086, 0.3055



7.2177, 0.2397, 0.1094



0.5833, 0.2517, 0.1160

Inverse Universe

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



43.1856, 0.3662, 0.2996



46.7107, 0.3827, 0.2933



67.2359, 0.3005, 0.4133



14.4457, 0.3241, 0.3213



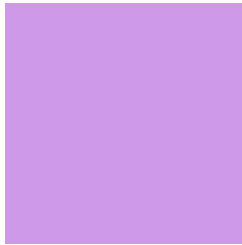
9.8362, 0.5653, 0.2888



0.7435, 0.5240, 0.2661

Previews

White Background



This preview shows how the Yxy color 41.7305, 0.2941, 0.2387 looks on a white background.

Color Contrast Check

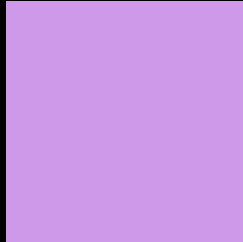
Large Text (above 18pt) WCAG AA × Fail

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 41.7305, 0.2941, 0.2387 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

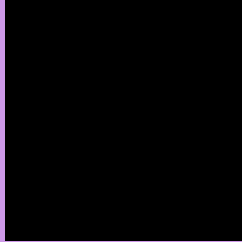
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.7305, 0.2941, 0.2387

Background



This preview shows how black text looks on a background with the Yxy color 41.7305, 0.2941, 0.2387.



This preview shows how white text looks on a background with the Yxy color 41.7305, 0.2941, 0.2387.

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

41.7305, 0.2941, 0.2387

Protanopia

42.2637, 0.2444, 0.2360

Deuteranopia

41.8802, 0.2609, 0.2541



Tritanopia

41.7310, 0.3332, 0.3125

Trichromacy



Original Color

41.7305, 0.2941, 0.2387



Protanomaly

41.4478, 0.2598, 0.2355



Deuteranomaly

41.6112, 0.2723, 0.2480



Tritanomaly

41.5903, 0.3186, 0.2835

Monochromacy



Original Color

41.7305, 0.2941, 0.2387



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

43.1445, 0.3056, 0.2922

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.7305, 0.2941, 0.2387 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(206, 153, 232)` looks like.

```
.text, #text, p{  
    color:rgb(206, 153, 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(206, 153, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 153, 232) }
```

Border

The CSS property to change the border of an element to Yxy 41.7305, 0.2941, 0.2387 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(206, 153, 232) }
```

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

```
.border{ border-color:rgb(206, 153, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 153, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 153, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 153, 232);  
box-shadow:4px 4px 4px 4px rgb(206, 153,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 41.7305, 0.2941, 0.2387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 153, 232) }
```

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

```
.background{ background-color: rgb(206,  
153, 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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