

Converting Colors

$Y_{xy}(40.6923, 0.2989, 0.2366)$

Have a look what the booklet for
Yxy(40.6923, 0.2989, 0.2366)
contains.

Yxy(40.9097, 0.2991, 0.2371)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.9097, 0.2991, 0.2371)

Conversions

Conversions Part 1

Format	Color
Hex	D295E6
RGB	210, 149, 230
RGB Percent	82%, 58%, 90%
CMY	0.1764, 0.4157, 0.0981
CMYK	0.09, 0.35, 0.00, 0.10
HSL	285°, 62%, 74%
HSV	285°, 35%, 90%
XYZ	51.6073, 40.9097, 80.0250
YIQ	176.4730, 10.3550, 38.1230

Conversions

Conversions Part 2

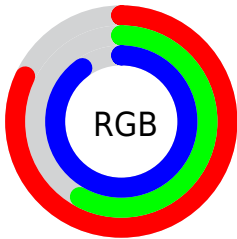
Format	Color
R _Y B	210, 149, 230
Decimal	13800934
CIE Lab	70.11, 36.73, -32.02
CIE LCh	70, 48.728, 318.921
Yxy	40.9097, 0.2991, 0.2371
Android (android.graphics.Color)	4291991014 (0xFFD295E6)
YUV	176.4730, 26.3888, 29.4032
Hunter-Lab	63.9607, 32.0932, -29.4087

Details

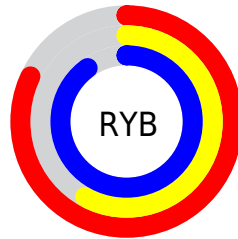
The Yxy color **40.9097, 0.2991, 0.2371** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **67.1865, 0.3209, 0.4306**, and the grayscale version is **43.5324, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6657, 0.3151, 0.2792**, and **18.4754, 0.2935, 0.2148** is the 20% darker color. If you saturate the color by 10%, you get **33.5203, 0.2937, 0.2107**, and if you desaturate by 10%, it is **49.7689, 0.3038, 0.2641**.

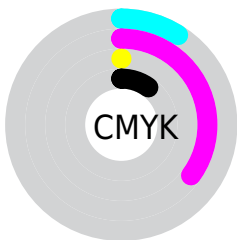
Distribution



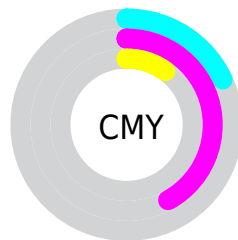
- Red (82%)
- Green (58%)
- Blue (90%)



- Red (82%)
- Yellow (58%)
- Blue (90%)



- Cyan (9%)
- Magenta (35%)
- Yellow (0%)
- Black (10%)





- Cyan (18%)
- Magenta (42%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.9097, 0.2991, 0.2371 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 40.9097, 0.2991, 0.2371 by changing the saturation by 10% instead.


 40.9097, 0.2991,
0.2371


 40.9097, 0.2991,
0.2371


349.9431, 0.3071,
0.2804

 28.2485, 0.2968,
0.2271


 76.5468, 0.3022,
0.2522

 18.5131, 0.2937,
0.2148


 100.2915, 0.3034,
0.2581

 11.3190, 0.2894,
0.1992


128.4995, 0.3043,
0.2631

 6.2818, 0.2830,
0.1790

161.5553, 0.3050,
0.2675

 3.0172, 0.2729,
0.1521

199.8431, 0.3057,
0.2713

 1.1407, 0.2557,
0.1153

243.7474, 0.3062,

 0.0125, 0.2375,

0.2747

0.0033

293.6526, 0.3067,
0.2777

0.0000, 0.0000,
0.0000

40.9097, 0.2991,
0.2371

40.9097, 0.2991,
0.2371

33.5203, 0.2937,
0.2107

49.7689, 0.3038,
0.2641

27.5101, 0.2878,
0.1859

60.1710, 0.3078,
0.2907

22.7867, 0.2813,
0.1638


72.1904, 0.3112,
0.3163


19.2439, 0.2747,
0.1456

85.8951, 0.3140,
0.3403

16.7582, 0.2680,
0.1318

95.4739, 0.3168,
0.3540

 15.1779, 0.2614,
0.1228

 96.4735, 0.3204,
0.3538

 14.6245, 0.2583,
0.1197

 97.5044, 0.3240,
0.3535

 98.4921, 0.3274,
0.3532

Harmonies

Analogous

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



40.9097, 0.2379, 0.2209



40.9097, 0.2991, 0.2371



40.9097, 0.3720, 0.2721

Triad

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



40.9097, 0.2991, 0.2371



40.9097, 0.4334, 0.4231



40.9097, 0.2051, 0.3212

Complementary

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



40.9097, 0.2991, 0.2371



67.1865, 0.3209, 0.4306

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.



40.9097, 0.2490, 0.3962



40.9097, 0.2991, 0.2371



40.9097, 0.3807, 0.4564

Square

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



40.9097, 0.2991, 0.2371



40.9097, 0.4542, 0.3728



40.9097, 0.3131, 0.4503



40.9097, 0.1889, 0.2605

Rectangle

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



40.9097, 0.2991, 0.2371



40.9097, 0.4151, 0.3029



40.9097, 0.3131, 0.4503



40.9097, 0.2168, 0.3460

Sweetspot

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



40.9114, 0.2991, 0.2371



82.1020, 0.3093, 0.3014



40.5713, 0.2525, 0.2504



17.1392, 0.3088, 0.2979



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.



40.9114, 0.2991, 0.2371



44.9573, 0.2954, 0.2184



42.9569, 0.3350, 0.2617



14.4268, 0.3099, 0.3056



8.3412, 0.2593, 0.1202



0.6591, 0.2687, 0.1254

Inverse Universe

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



41.1807, 0.3756, 0.3061



45.4770, 0.3944, 0.3015



65.8474, 0.2963, 0.4076



14.4260, 0.3254, 0.3232



9.7063, 0.5935, 0.3043



0.7318, 0.5521, 0.2815

Previews

White Background



This preview shows how the Yxy color 40.9097, 0.2991, 0.2371 looks on a white background.

Color Contrast Check

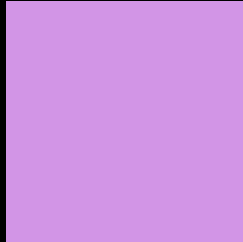
Large Text (above 18pt) WCAG AA × Fail

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 40.9097, 0.2991, 0.2371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

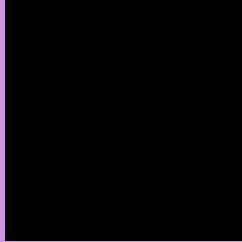
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.9097, 0.2991, 0.2371

Background



This preview shows how black text looks on a background with the Yxy color 40.9097, 0.2991, 0.2371.



This preview shows how white text looks on a background with the Yxy color 40.9097, 0.2991, 0.2371.

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

40.9097, 0.2991, 0.2371

Protanopia

41.2328, 0.2422, 0.2330

Deuteranopia

41.2378, 0.2620, 0.2559



Tritanopia

41.0634, 0.3413, 0.3139

Trichromacy



Original Color

40.9097, 0.2991, 0.2371



Protanomaly

40.6780, 0.2602, 0.2340



Deuteranomaly

40.8517, 0.2750, 0.2488



Tritanomaly

40.9881, 0.3252, 0.2838

Monochromacy



Original Color

40.9097, 0.2991, 0.2371



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

41.9493, 0.3073, 0.2908

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9097, 0.2991, 0.2371 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(210, 149, 230)` looks like.

```
.text, #text, p{  
    color:rgb(210, 149, 230)  
}
```

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(210, 149, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 149, 230) }
```

Border

The CSS property to change the border of an element to Yxy 40.9097, 0.2991, 0.2371 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(210, 149, 230) }
```

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

```
.border{ border-color:rgb(210, 149, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 149, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 149, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 149, 230);  
box-shadow:4px 4px 4px 4px rgb(210, 149,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9097, 0.2991, 0.2371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 149, 230) }
```

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

```
.background{ background-color: rgb(210,  
149, 230) }
```

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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