

Converting Colors

$Y_{xy}(37.6202, 0.2971, 0.2298)$

Have a look what the booklet for
Yxy(37.6202, 0.2971, 0.2298)
contains.

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Color

Yxy(37.5749, 0.2970, 0.2298)

Conversions

Conversions Part 1

Format	Color
Hex	CD8DE3
RGB	205, 141, 227
RGB Percent	80%, 55%, 89%
CMY	0.1962, 0.4470, 0.1098
CMYK	0.10, 0.38, 0.00, 0.11
HSL	285°, 61%, 72%
HSV	285°, 38%, 89%
XYZ	48.5629, 37.5749, 77.3736
YIQ	169.9400, 10.5380, 40.3140

Conversions

Conversions Part 2

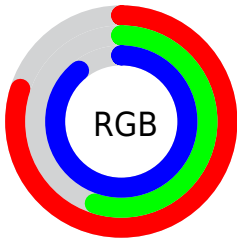
Format	Color
R_{YB}	205, 141, 227
Decimal	13471203
CIE _{Lab}	67.71, 38.92, -34.15
CIE _{LCh}	68, 51.780, 318.733
Yxy	37.5749, 0.2970, 0.2298
Android (android.graphics.Color)	4291661283 (0xFFCD8DE3)
YUV	169.9400, 28.1306, 30.7476
Hunter-Lab	61.2984, 34.1422, -31.9296

Details

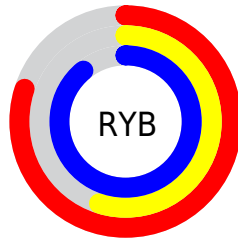
The Yxy color **37.5749, 0.2970, 0.2298** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **64.6593, 0.3219, 0.4391**, and the grayscale version is **40.0212, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9599, 0.3154, 0.2712**, and **16.4746, 0.2905, 0.2052** is the 20% darker color. If you saturate the color by 10%, you get **30.7415, 0.2912, 0.2036**, and if you desaturate by 10%, it is **45.8142, 0.3021, 0.2568**.

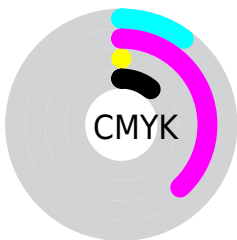
Distribution



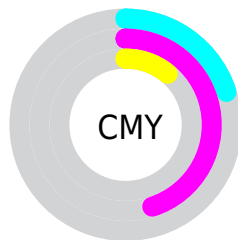
- Red (80%)
- Green (55%)
- Blue (89%)



- Red (80%)
- Yellow (55%)
- Blue (89%)



- Cyan (10%)
- Magenta (38%)
- Yellow (0%)
- Black (11%)





- Cyan (20%)
- Magenta (45%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5749, 0.2970, 0.2298 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 37.5749, 0.2970, 0.2298 by changing the saturation by 10% instead.


 37.5749, 0.2970,
0.2298


 37.5749, 0.2970,
0.2298


335.7929, 0.3064,
0.2769


 25.6529, 0.2943,
0.2189


 71.4561, 0.3007,
0.2463

 16.5642, 0.2906,
0.2054


 94.1841, 0.3020,
0.2526

 9.9242, 0.2854,
0.1884


 121.2829, 0.3031,
0.2581

 5.3488, 0.2778,
0.1664

153.1370, 0.3040,
0.2629

 2.4533, 0.2656,
0.1371

190.1306, 0.3047,
0.2670

 0.8531, 0.2445,
0.0976

232.6481, 0.3053,

 0.0000, 0.2125,

0.2707

0.0000

281.0741, 0.3059,
0.2739

0.0000, 0.0000,
0.0000

37.5749, 0.2970,
0.2298

37.5749, 0.2970,
0.2298

30.7415, 0.2912,
0.2036

45.8142, 0.3021,
0.2568

25.2245, 0.2849,
0.1792

55.5322, 0.3065,
0.2836

20.9315, 0.2781,
0.1579


66.8023, 0.3102,
0.3096

17.7558, 0.2711,
0.1406

79.6916, 0.3133,
0.3341


15.5719, 0.2642,
0.1279

94.2631, 0.3158,
0.3568

 14.2058, 0.2574,
0.1198

 95.5702, 0.3194,
0.3570

 13.9647, 0.2560,
0.1184

 96.6039, 0.3232,
0.3567

 97.6705, 0.3269,
0.3564

 98.3267, 0.3292,
0.3562

Harmonies

Analogous

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



37.5749, 0.2312, 0.2125



37.5749, 0.2970, 0.2298



37.5749, 0.3767, 0.2670

Triad

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



37.5749, 0.2970, 0.2298



37.5749, 0.4434, 0.4293



37.5749, 0.1963, 0.3202

Complementary

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



37.5749, 0.2970, 0.2298



64.6593, 0.3219, 0.4391

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.



37.5749, 0.2433, 0.4035



37.5749, 0.2970, 0.2298



37.5749, 0.3858, 0.4676

Square

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



37.5749, 0.2970, 0.2298



37.5749, 0.4668, 0.3744



37.5749, 0.3126, 0.4631



37.5749, 0.1793, 0.2542

Rectangle

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



37.5749, 0.2970, 0.2298



37.5749, 0.4242, 0.2998



37.5749, 0.3126, 0.4631



37.5749, 0.2088, 0.3475

Sweetspot

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



37.5765, 0.2970, 0.2298



82.0531, 0.3091, 0.3014



37.7425, 0.2478, 0.2454



17.1275, 0.3086, 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.



37.5765, 0.2970, 0.2298



42.1533, 0.2928, 0.2102



39.8889, 0.3357, 0.2552



14.4196, 0.3097, 0.3055



8.2019, 0.2570, 0.1189



0.6498, 0.2667, 0.1243

Inverse Universe

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



38.0327, 0.3815, 0.3034



42.9784, 0.4020, 0.2985



63.1842, 0.2960, 0.4166



14.4283, 0.3252, 0.3230



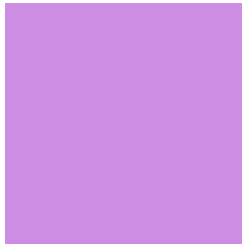
9.7194, 0.5904, 0.3026



0.7330, 0.5490, 0.2798

Previews

White Background



This preview shows how the Yxy color 37.5749, 0.2970, 0.2298 looks on a white background.

Color Contrast Check

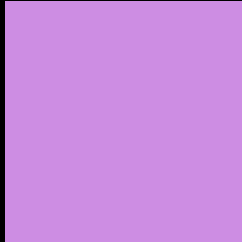
Large Text (above 18pt) WCAG AA × Fail

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 37.5749, 0.2970, 0.2298 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

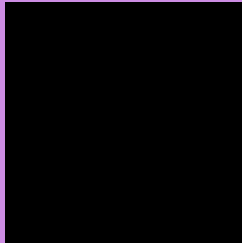
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.5749, 0.2970, 0.2298

Background



This preview shows how black text looks on a background with the Yxy color 37.5749, 0.2970, 0.2298.



This preview shows how white text looks on a background with the Yxy color 37.5749, 0.2970, 0.2298.

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

37.5749, 0.2970, 0.2298

Protanopia

38.1293, 0.2363, 0.2258

Deuteranopia

37.9117, 0.2557, 0.2497



Tritanopia

37.6001, 0.3435, 0.3134

Trichromacy



Original Color

37.5749, 0.2970, 0.2298



Protanomaly

37.2971, 0.2545, 0.2257



Deuteranomaly

37.2595, 0.2692, 0.2414



Tritanomaly

37.2678, 0.3258, 0.2799

Monochromacy



Original Color

37.5749, 0.2970, 0.2298



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

38.6251, 0.3072, 0.2871

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5749, 0.2970, 0.2298 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(205, 141, 227)` looks like.

```
.text, #text, p{  
    color:rgb(205, 141, 227)  
}
```

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(205, 141, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 141, 227) }
```

Border

The CSS property to change the border of an element to Yxy 37.5749, 0.2970, 0.2298 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(205, 141, 227) }
```

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

```
.border{ border-color:rgb(205, 141, 227) }
```

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

Here you see how a box with a 4 pixel rgb(205, 141, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 141, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 141, 227);  
box-shadow:4px 4px 4px 4px rgb(205, 141,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5749, 0.2970, 0.2298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 141, 227) }
```

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

```
.background{ background-color: rgb(205,  
141, 227) }
```

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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