

Converting Colors

$Y_{xy}(36.8618, 0.2732, 0.2306)$

Have a look what the booklet for
Yxy(36.8618, 0.2732, 0.2306)
contains.

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Color

Yxy(36.7918, 0.2725, 0.2298)

Conversions

Conversions Part 1

Format	Color
Hex	B395E6
RGB	179, 149, 230
RGB Percent	70%, 58%, 90%
CMY	0.2979, 0.4157, 0.0979
CMYK	0.22, 0.35, 0.00, 0.10
HSL	262°, 62%, 74%
HSV	262°, 35%, 90%
XYZ	43.6282, 36.7918, 79.6835
YIQ	167.2040, -8.1210, 31.5510

Conversions

Conversions Part 2

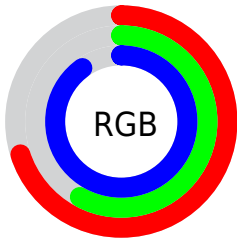
Format	Color
R _Y B	179, 149, 230
Decimal	11769318
CIE Lab	67.12, 27.42, -36.92
CIE LCh	67, 45.989, 306.599
Yxy	36.7918, 0.2725, 0.2298
Android (android.graphics.Color)	4289959398 (0xFFB395E6)
YUV	167.2040, 30.9584, 10.3451
Hunter-Lab	60.6562, 22.2413, -35.4294

Details

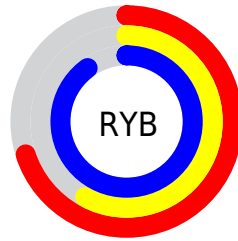
The Yxy color **36.7918, 0.2725, 0.2298** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **71.0551, 0.3431, 0.4237**, and the grayscale version is **38.5995, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.7647, 0.3014, 0.2760**, and **16.1513, 0.2600, 0.2052** is the 20% darker color. If you saturate the color by 10%, you get **28.5844, 0.2578, 0.1982**, and if you desaturate by 10%, it is **46.6204, 0.2859, 0.2605**.

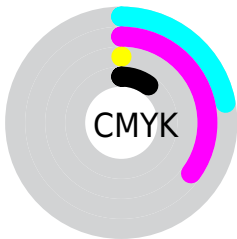
Distribution



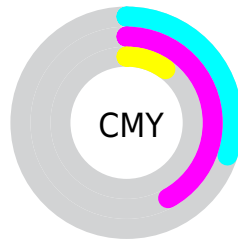
- Red (70%)
- Green (58%)
- Blue (90%)



- Red (70%)
- Yellow (58%)
- Blue (90%)



- Cyan (22%)
- Magenta (35%)
- Yellow (0%)
- Black (10%)





- Cyan (30%)
- Magenta (42%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.7918, 0.2725, 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 36.7918, 0.2725, 0.2298 by changing the saturation by 10% instead.


 36.7918, 0.2725,
0.2298


 36.7918, 0.2725,
0.2298


332.4083, 0.2939,
0.2775

 25.0463, 0.2669,
0.2186


 70.2525, 0.2805,
0.2466

 16.1116, 0.2596,
0.2048

 92.7364, 0.2834,
0.2531

 9.6031, 0.2498,
0.1872


119.5687, 0.2859,
0.2586

 5.1366, 0.2360,
0.1643

151.1337, 0.2880,
0.2634

 2.3277, 0.2155,
0.1339

187.8157, 0.2898,
0.2676

 0.7883, 0.1834,
0.0926

229.9992, 0.2913,


 0.0000, 0.1131,


0.2713


0.0000


278.0686, 0.2927,
0.2745


 0.0000, 0.0000,
0.0000


 36.7918, 0.2725,
0.2298


 36.7918, 0.2725,
0.2298


 28.5844, 0.2578,
0.1982


 46.6204, 0.2859,
0.2605


 21.9034, 0.2421,
0.1671


 58.1494, 0.2977,
0.2894


 16.6502, 0.2260,
0.1381

 71.4575, 0.3079,
0.3161

 12.7129, 0.2103,
0.1131

 86.6177, 0.3167,
0.3402

 9.9616, 0.1960,
0.0935

 97.8196, 0.3250,
0.3534

■ 8.2378, 0.1837,
0.0803

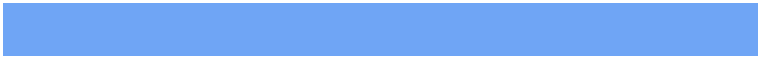
■ 98.4946, 0.3274,
0.3532

■ 7.6586, 0.1786,
0.0757

Harmonies

Analogous

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



36.7918, 0.2212, 0.2227



36.7918, 0.2725, 0.2298



36.7918, 0.3414, 0.2572

Triad

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



36.7918, 0.2725, 0.2298



36.7918, 0.4439, 0.4023



36.7918, 0.2219, 0.3515

Complementary

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



36.7918, 0.2725, 0.2298



71.0551, 0.3431, 0.4237

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.



36.7918, 0.2747, 0.4209



36.7918, 0.2725, 0.2298



36.7918, 0.4034, 0.4438

Square

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



36.7918, 0.2725, 0.2298



36.7918, 0.4474, 0.3507



36.7918, 0.3412, 0.4558



36.7918, 0.1945, 0.2835

Rectangle

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



36.7918, 0.2725, 0.2298



36.7918, 0.3880, 0.2843



36.7918, 0.3412, 0.4558



36.7918, 0.2370, 0.3763

Sweetspot

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



36.7933, 0.2725, 0.2298



80.1953, 0.3021, 0.3008



53.5566, 0.2581, 0.2916



16.6846, 0.3007, 0.2971



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.



36.7933, 0.2725, 0.2298



39.0093, 0.2623, 0.2077



42.3005, 0.3072, 0.2393



14.1460, 0.3038, 0.3051



4.3986, 0.1801, 0.0766



0.3765, 0.1964, 0.0856

Inverse Universe

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



42.4882, 0.3443, 0.2718



47.3301, 0.3529, 0.2605



66.2301, 0.3147, 0.4326



14.5198, 0.3194, 0.3143



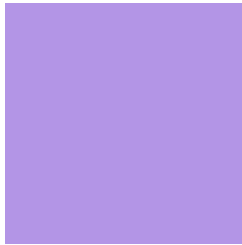
10.7015, 0.4418, 0.2207



0.8086, 0.4195, 0.2084

Previews

White Background



This preview shows how the Yxy color 36.7918, 0.2725, 0.2298 looks on a white background.

Color Contrast Check

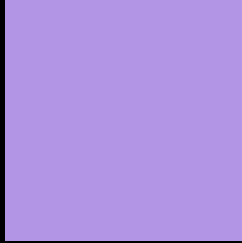
Large Text (above 18pt) WCAG AA × Fail

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 36.7918, 0.2725, 0.2298 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

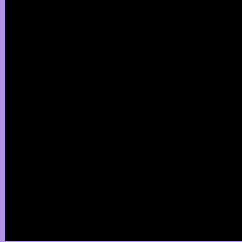
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.7918, 0.2725, 0.2298

Background



This preview shows how black text looks on a background with the Yxy color 36.7918, 0.2725, 0.2298.



This preview shows how white text looks on a background with the Yxy color 36.7918, 0.2725, 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

36.7918, 0.2725, 0.2298

Protanopia

37.0994, 0.2373, 0.2270

Deuteranopia

37.1375, 0.2481, 0.2429



Tritanopia

36.9419, 0.3097, 0.3122

Trichromacy



Original Color

36.7918, 0.2725, 0.2298

Protanomaly

36.8455, 0.2488, 0.2284

Deuteranomaly

36.6839, 0.2559, 0.2372

Tritanomaly

36.8932, 0.2956, 0.2794

Monochromacy



Original Color

36.7918, 0.2725, 0.2298

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

37.5172, 0.2972, 0.2884

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7918, 0.2725, 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(179, 149, 230)` looks like.

```
.text, #text, p{  
    color:rgb(179, 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(179, 149, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 149, 230) }
```

Border

The CSS property to change the border of an element to Yxy 36.7918, 0.2725, 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(179, 149, 230) }
```

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

```
.border{ border-color:rgb(179, 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(179, 149, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 149, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 149, 230);  
box-shadow:4px 4px 4px 4px rgb(179, 149,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7918, 0.2725, 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(179, 149, 230) }
```

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

```
.background{ background-color: rgb(179,  
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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