

Converting Colors

$Y_{xy}(36.5998, 0.2940, 0.2333)$

Have a look what the booklet for
Yxy(36.5998, 0.2940, 0.2333)
contains.

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Color

Yxy(36.6795, 0.2940, 0.2330)

Conversions

Conversions Part 1

Format	Color
Hex	C68EDF
RGB	198, 142, 223
RGB Percent	78%, 56%, 87%
CMY	0.2235, 0.4431, 0.1254
CMYK	0.11, 0.36, 0.00, 0.13
HSL	281°, 56%, 72%
HSV	281°, 36%, 87%
XYZ	46.2823, 36.6795, 74.4610
YIQ	167.9780, 7.3750, 37.0630

Conversions

Conversions Part 2

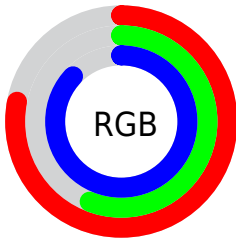
Format	Color
RYB	198, 142, 223
Decimal	13012703
CIELab	67.04, 35.45, -33.04
CIELCh	67, 48.461, 317.016
Yxy	36.6795, 0.2940, 0.2330
Android (android.graphics.Color)	4291202783 (0xFFC68EDF)
YUV	167.9780, 27.1258, 26.3293
Hunter-Lab	60.5636, 30.4222, -30.5006

Details

The Yxy color **36.6795, 0.2940, 0.2330** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **62.9521, 0.3247, 0.4329**, and the grayscale version is **39.0093, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9599, 0.3154, 0.2712**, and **16.1118, 0.2875, 0.2102** is the 20% darker color. If you saturate the color by 10%, you get **29.7810, 0.2870, 0.2058**, and if you desaturate by 10%, it is **44.9511, 0.3002, 0.2606**.

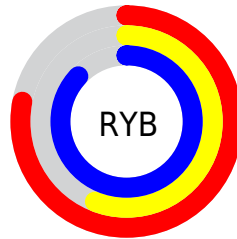
Distribution



Red (78%)

Green (56%)

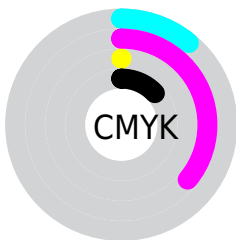
Blue (87%)



Red (78%)

Yellow (56%)

Blue (87%)

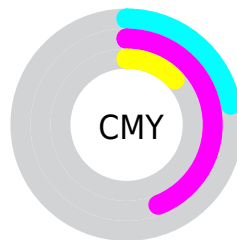


Cyan (11%)

Magenta (36%)

Yellow (0%)

Black (13%)



Cyan (22%)

Magenta (44%)

Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.6795, 0.2940, 0.2330 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 36.6795, 0.2940, 0.2330 by changing the saturation by 10% instead.


 36.6795, 0.2940,
0.2330


 36.6795, 0.2940,
0.2330

331.9208, 0.3048,
0.2790

 24.9594, 0.2909,
0.2222


 70.0796, 0.2982,
0.2492

 16.0468, 0.2868,
0.2089


 92.5284, 0.2997,
0.2554

 9.5573, 0.2811,
0.1919


119.3222, 0.3009,
0.2608

 5.1064, 0.2725,
0.1697

150.8455, 0.3020,
0.2654

 2.3098, 0.2591,
0.1399

187.4826, 0.3028,
0.2694

 0.7789, 0.2360,
0.0988

229.6179, 0.3036,

 0.0000, 0.1920,

0.2730


0.0000


277.6359, 0.3042,
0.2761


 0.0000, 0.0000,
0.0000

 36.6795, 0.2940,
0.2330


 36.6795, 0.2940,
0.2330


 29.7810, 0.2870,
0.2058


 44.9511, 0.3002,
0.2606


 24.1708, 0.2792,
0.1802


 54.6647, 0.3056,
0.2876


 19.7617, 0.2710,
0.1573

 65.8901, 0.3102,
0.3135

 16.4537, 0.2626,
0.1382


 78.6911, 0.3140,
0.3377

 14.1297, 0.2542,
0.1238

 93.1279, 0.3172,
0.3601


 12.6433, 0.2461,
0.1142

 95.2536, 0.3214,
0.3611

 12.2142, 0.2433,
0.1114

 96.4771, 0.3258,
0.3607

 97.7467, 0.3303,
0.3602

 98.1084, 0.3315,
0.3601

Harmonies

Analogous

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



36.6795, 0.2325, 0.2177



36.6795, 0.2940, 0.2330



36.6795, 0.3691, 0.2677

Triad

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



36.6795, 0.2940, 0.2330



36.6795, 0.4392, 0.4224



36.6795, 0.2041, 0.3255

Complementary

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



36.6795, 0.2940, 0.2330



62.9521, 0.3247, 0.4329

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.



36.6795, 0.2506, 0.4031



36.6795, 0.2940, 0.2330



36.6795, 0.3864, 0.4590

Square

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



36.6795, 0.2940, 0.2330



36.6795, 0.4584, 0.3700



36.6795, 0.3173, 0.4565



36.6795, 0.1858, 0.2614

Rectangle

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



36.6795, 0.2940, 0.2330



36.6795, 0.4146, 0.2988



36.6795, 0.3173, 0.4565



36.6795, 0.2166, 0.3514

Sweetspot

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



36.6810, 0.2940, 0.2330



81.7852, 0.3081, 0.3013



38.9576, 0.2516, 0.2551



17.0635, 0.3075, 0.2978



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.



36.6810, 0.2940, 0.2330



42.0768, 0.2884, 0.2112



39.5986, 0.3306, 0.2541



13.7123, 0.3089, 0.3055



7.2431, 0.2444, 0.1120



0.5486, 0.2565, 0.1187

Inverse Universe

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



37.8271, 0.3728, 0.2995



44.0368, 0.3927, 0.2931



60.9624, 0.2990, 0.4179



13.7699, 0.3244, 0.3218



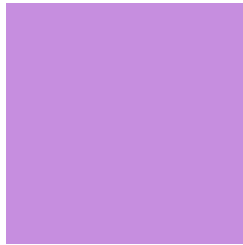
9.4937, 0.5723, 0.2926



0.6737, 0.5283, 0.2684

Previews

White Background



This preview shows how the Yxy color 36.6795, 0.2940, 0.2330 looks on a white background.

Color Contrast Check

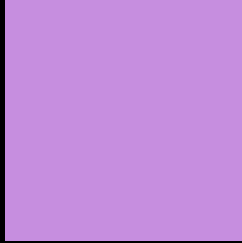
Large Text (above 18pt) WCAG AA × Fail

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 36.6795, 0.2940, 0.2330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

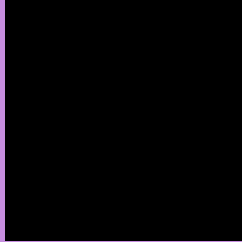
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.6795, 0.2940, 0.2330

Background



This preview shows how black text looks on a background with the Yxy color 36.6795, 0.2940, 0.2330.



This preview shows how white text looks on a background with the Yxy color 36.6795, 0.2940, 0.2330.

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

36.6795, 0.2940, 0.2330

Protanopia

37.0661, 0.2390, 0.2292

Deuteranopia

36.9001, 0.2571, 0.2514



Tritanopia

36.6832, 0.3364, 0.3130

Trichromacy



Original Color

36.6795, 0.2940, 0.2330



Protanomaly

36.4680, 0.2560, 0.2291



Deuteranomaly

36.3855, 0.2694, 0.2439



Tritanomaly

36.6070, 0.3198, 0.2814

Monochromacy



Original Color

36.6795, 0.2940, 0.2330



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

38.0108, 0.3061, 0.2904

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.6795, 0.2940, 0.2330 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(198, 142, 223)` looks like.

```
.text, #text, p{  
    color:rgb(198, 142, 223)  
}
```

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(198, 142, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 142, 223) }
```

Border

The CSS property to change the border of an element to Yxy 36.6795, 0.2940, 0.2330 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(198, 142, 223) }
```

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

```
.border{ border-color:rgb(198, 142, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 142, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 142, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 142, 223);  
box-shadow:4px 4px 4px 4px rgb(198, 142,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 36.6795, 0.2940, 0.2330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 142, 223) }
```

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

```
.background{ background-color: rgb(198,  
142, 223) }
```

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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