

Converting Colors

$Y_{xy}(36.5173, 0.2902, 0.2290)$

Have a look what the booklet for
Yxy(36.5173, 0.2902, 0.2290)
contains.

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Color

Yxy(36.7073, 0.2907, 0.2298)

Conversions

Conversions Part 1

Format	Color
Hex	C58EE2
RGB	197, 142, 226
RGB Percent	77%, 56%, 89%
CMY	0.2273, 0.4432, 0.1137
CMYK	0.13, 0.37, 0.00, 0.11
HSL	279°, 59%, 72%
HSV	279°, 37%, 89%
XYZ	46.4352, 36.7073, 76.5933
YIQ	168.0210, 5.8160, 37.7840

Conversions

Conversions Part 2

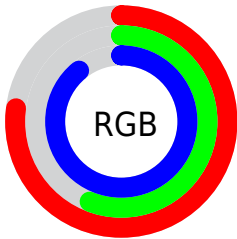
Format	Color
RYB	197, 142, 226
Decimal	12947170
CIELab	67.06, 35.79, -34.67
CIELCh	67, 49.832, 315.914
Yxy	36.7073, 0.2907, 0.2298
Android (android.graphics.Color)	4291137250 (0xFFC58EE2)
YUV	168.0210, 28.5836, 25.4146
Hunter-Lab	60.5865, 30.7809, -32.5437

Details

The Yxy color **36.7073, 0.2907, 0.2298** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **65.0006, 0.3270, 0.4350**, and the grayscale version is **39.0254, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9599, 0.3154, 0.2712**, and **16.1352, 0.2830, 0.2062** is the 20% darker color. If you saturate the color by 10%, you get **29.6277, 0.2827, 0.2022**, and if you desaturate by 10%, it is **45.2076, 0.2979, 0.2578**.

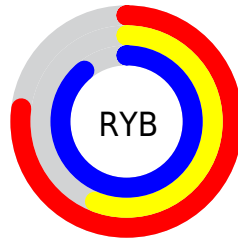
Distribution



Red (77%)

Green (56%)

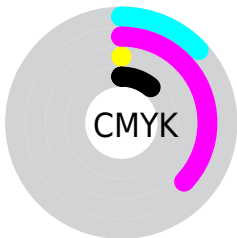
Blue (89%)



Red (77%)

Yellow (56%)

Blue (89%)

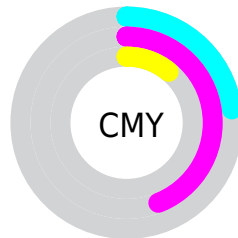


Cyan (13%)

Magenta (37%)

Yellow (0%)

Black (11%)



Cyan (23%)


Magenta (44%)

Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7073, 0.2907, 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 36.7073, 0.2907, 0.2298 by changing the saturation by 10% instead.


 36.7073, 0.2907,
0.2298


 36.7073, 0.2907,
0.2298


332.0416, 0.3032,
0.2771

 24.9809, 0.2872,
0.2188


 70.1224, 0.2955,
0.2464

 16.0629, 0.2825,
0.2051


 92.5799, 0.2973,
0.2528

 9.5686, 0.2761,
0.1878


119.3833, 0.2987,
0.2583

 5.1139, 0.2666,
0.1653

150.9169, 0.2999,
0.2631

 2.3143, 0.2519,
0.1353

187.5651, 0.3009,
0.2673

 0.7812, 0.2271,
0.0945

229.7124, 0.3018,

 0.0000, 0.1814,

0.2710

0.0000

277.7430, 0.3025,
0.2742

0.0000, 0.0000,
0.0000

36.7073, 0.2907,
0.2298

36.7073, 0.2907,
0.2298

29.6277, 0.2827,
0.2022

45.2076, 0.2979,
0.2578

23.8805, 0.2739,
0.1761

55.2007, 0.3041,
0.2852

19.3744, 0.2646,
0.1527

66.7594, 0.3094,
0.3113

16.0044, 0.2552,
0.1333


79.9500, 0.3139,
0.3357


13.6476, 0.2459,
0.1186

94.8353, 0.3176,
0.3582

 12.1425, 0.2371,
0.1089

 96.2062, 0.3225,
0.3578

 11.7968, 0.2347,
0.1066

 97.6278, 0.3275,
0.3574

 98.2713, 0.3298,
0.3572

Harmonies

Analogous

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



36.7073, 0.2286, 0.2150



36.7073, 0.2907, 0.2298



36.7073, 0.3677, 0.2646

Triad

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



36.7073, 0.2907, 0.2298



36.7073, 0.4438, 0.4225



36.7073, 0.2026, 0.3280

Complementary

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



36.7073, 0.2907, 0.2298



65.0006, 0.3270, 0.4350

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.



36.7073, 0.2511, 0.4081



36.7073, 0.2907, 0.2298



36.7073, 0.3904, 0.4616

Square

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



36.7073, 0.2907, 0.2298



36.7073, 0.4622, 0.3685



36.7073, 0.3198, 0.4615



36.7073, 0.1830, 0.2613

Rectangle

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



36.7073, 0.2907, 0.2298



36.7073, 0.4151, 0.2960



36.7073, 0.3198, 0.4615



36.7073, 0.2157, 0.3549

Sweetspot

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



36.7088, 0.2907, 0.2298



81.6029, 0.3075, 0.3013



40.5148, 0.2505, 0.2569



17.0199, 0.3067, 0.2977



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.



36.7088, 0.2907, 0.2298



40.5640, 0.2842, 0.2073



40.3356, 0.3285, 0.2495



13.6868, 0.3083, 0.3055



6.7979, 0.2360, 0.1074



0.5202, 0.2492, 0.1147

Inverse Universe

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



38.4492, 0.3716, 0.2953



43.3766, 0.3909, 0.2880



62.4983, 0.3003, 0.4243



13.7781, 0.3238, 0.3209



9.5574, 0.5589, 0.2852



0.6789, 0.5157, 0.2615

Previews

White Background



This preview shows how the Yxy color 36.7073, 0.2907, 0.2298 looks on a white background.

Color Contrast Check

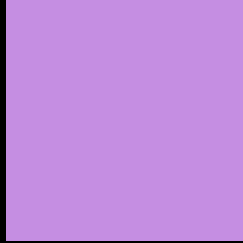
Large Text (above 18pt) WCAG AA × Fail

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 36.7073, 0.2907, 0.2298 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

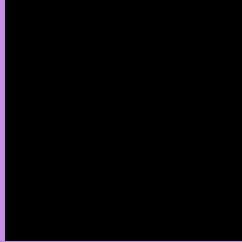
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.7073, 0.2907, 0.2298

Background



This preview shows how black text looks on a background with the Yxy color 36.7073, 0.2907, 0.2298.



This preview shows how white text looks on a background with the Yxy color 36.7073, 0.2907, 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

36.7073, 0.2907, 0.2298

Protanopia

37.1590, 0.2368, 0.2260

Deuteranopia

36.8747, 0.2538, 0.2477



Tritanopia

36.5557, 0.3354, 0.3130

Trichromacy



Original Color

36.7073, 0.2907, 0.2298

Protanomaly

36.5383, 0.2534, 0.2258

Deuteranomaly

36.4382, 0.2665, 0.2404

Tritanomaly

36.5199, 0.3179, 0.2800

Monochromacy



Original Color

36.7073, 0.2907, 0.2298

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

38.0541, 0.3053, 0.2892

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7073, 0.2907, 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(197, 142, 226)` looks like.

```
.text, #text, p{  
  color:rgb(197, 142, 226)  
}
```

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(197, 142, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 142, 226) }
```

Border

The CSS property to change the border of an element to Yxy 36.7073, 0.2907, 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(197, 142, 226) }
```

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

```
.border{ border-color:rgb(197, 142, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 142, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 142, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 142, 226);  
box-shadow:4px 4px 4px 4px rgb(197, 142,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7073, 0.2907, 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(197, 142, 226) }
```

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

```
.background{ background-color: rgb(197,  
142, 226) }
```

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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