

Converting Colors

$Y_{xy}(34.7112, 0.2950, 0.2299)$

Have a look what the booklet for
Yxy(34.7112, 0.2950, 0.2299)
contains.

Yxy(34.7944, 0.2946, 0.2297)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(34.7944, 0.2946, 0.2297)

Conversions

Conversions Part 1

Format	Color
Hex	C489DC
RGB	196, 137, 220
RGB Percent	77%, 54%, 86%
CMY	0.2314, 0.4627, 0.1373
CMYK	0.11, 0.38, 0.00, 0.14
HSL	283°, 54%, 70%
HSV	283°, 38%, 86%
XYZ	44.6253, 34.7944, 72.0579
YIQ	164.1030, 8.5210, 38.3210

Conversions

Conversions Part 2

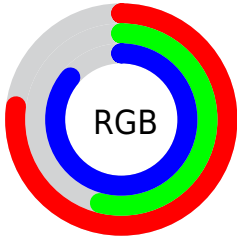
Format	Color
R _{YB}	196, 137, 220
Decimal	12880348
CIE Lab	65.59, 36.94, -33.62
CIE LCh	66, 49.948, 317.694
Yxy	34.7944, 0.2946, 0.2297
Android (android.graphics.Color)	4291070428 (0xFFC489DC)
YUV	164.1030, 27.5572, 27.9737
Hunter-Lab	58.9868, 31.8138, -31.1376

Details

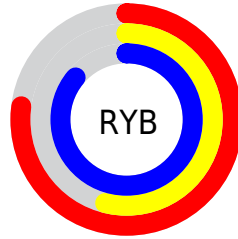
The Yxy color **34.7944, 0.2946, 0.2297** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **60.5573, 0.3238, 0.4377**, and the grayscale version is **37.0402, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.5524, 0.3149, 0.2662**, and **15.0349, 0.2870, 0.2045** is the 20% darker color. If you saturate the color by 10%, you get **28.3312, 0.2880, 0.2030**, and if you desaturate by 10%, it is **42.5715, 0.3005, 0.2570**.

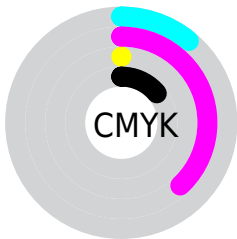
Distribution



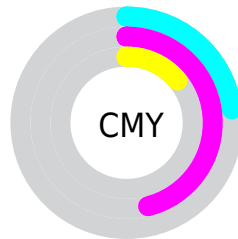
- Red (77%)
- Green (54%)
- Blue (86%)



- Red (77%)
- Yellow (54%)
- Blue (86%)



- Cyan (11%)
- Magenta (38%)
- Yellow (0%)
- Black (14%)



- Cyan (23%)
- Magenta (46%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.7944, 0.2946, 0.2297 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 34.7944, 0.2946, 0.2297 by changing the saturation by 10% instead.


 34.7944, 0.2946,
0.2297


 34.7944, 0.2946,
0.2297


323.6599, 0.3053,
0.2775


 23.5045, 0.2915,
0.2185


 67.1671, 0.2988,
0.2466

 14.9665, 0.2873,
0.2045


 89.0188, 0.3003,
0.2530

 8.7959, 0.2814,
0.1867


 115.1599, 0.3015,
0.2586

 4.6083, 0.2725,
0.1634

145.9747, 0.3025,
0.2634

 2.0193, 0.2584,
0.1323

181.8478, 0.3034,
0.2676

 0.6187, 0.2343,
0.0868

223.1634, 0.3041,

 0.0000, 0.1727,

0.2713

0.0000

270.3059, 0.3047,
0.2745

■ 0.0000, 0.0000,
0.0000

■ 34.7944, 0.2946,
0.2297

■ 34.7944, 0.2946,
0.2297

■ 28.3312, 0.2880,
0.2030

■ 42.5715, 0.3005,
0.2570

■ 23.0991, 0.2807,
0.1780

■ 51.7301, 0.3056,
0.2840

■ 19.0127, 0.2730,
0.1560

■ 62.3380, 0.3099,
0.3100

■ 15.9733, 0.2651,
0.1379

■ 74.4574, 0.3135,
0.3344

■ 13.8653, 0.2573,
0.1245

■ 88.1469, 0.3164,
0.3571

■ 12.5287, 0.2498,
0.1157

■ 94.2034, 0.3199,
0.3646

■ 12.2733, 0.2481,
0.1140

■ 95.2999, 0.3240,
0.3642

■ 96.4354, 0.3281,
0.3637

■ 97.6104, 0.3322,
0.3633

Harmonies

Analogous

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



34.7944, 0.2301, 0.2133



34.7944, 0.2946, 0.2297



34.7944, 0.3734, 0.2660

Triad

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



34.7944, 0.2946, 0.2297



34.7944, 0.4437, 0.4269



34.7944, 0.1985, 0.3231

Complementary

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



34.7944, 0.2946, 0.2297



60.5573, 0.3238, 0.4377

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.



34.7944, 0.2461, 0.4053



34.7944, 0.2946, 0.2297



34.7944, 0.3876, 0.4655

Square

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



34.7944, 0.2946, 0.2297



34.7944, 0.4653, 0.3722



34.7944, 0.3153, 0.4627



34.7944, 0.1805, 0.2568

Rectangle

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



34.7944, 0.2946, 0.2297



34.7944, 0.4210, 0.2984



34.7944, 0.3153, 0.4627



34.7944, 0.2112, 0.3503

Sweetspot

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



34.7959, 0.2946, 0.2297



81.8854, 0.3085, 0.3014



36.2912, 0.2488, 0.2499



17.0874, 0.3079, 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.



34.7959, 0.2946, 0.2297



41.5523, 0.2896, 0.2091



37.4368, 0.3328, 0.2528



13.0760, 0.3092, 0.3056



7.2642, 0.2492, 0.1146



0.5138, 0.2613, 0.1213

Inverse Universe

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



35.6796, 0.3778, 0.3003



43.1227, 0.3979, 0.2946



58.8138, 0.2977, 0.4199



13.1131, 0.3246, 0.3223



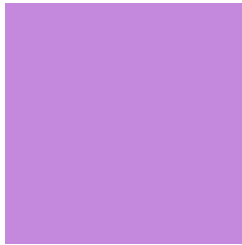
9.1612, 0.5790, 0.2963



0.6083, 0.5320, 0.2705

Previews

White Background



This preview shows how the Yxy color 34.7944, 0.2946, 0.2297 looks on a white background.

Color Contrast Check

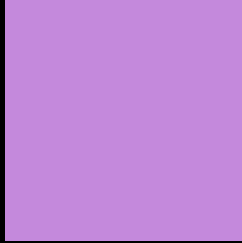
Large Text (above 18pt) WCAG AA × Fail

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 34.7944, 0.2946, 0.2297 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

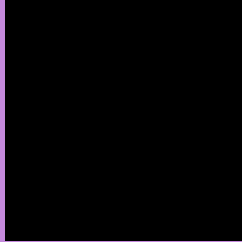
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.7944, 0.2946, 0.2297

Background



This preview shows how black text looks on a background with the Yxy color 34.7944, 0.2946, 0.2297.



This preview shows how white text looks on a background with the Yxy color 34.7944, 0.2946, 0.2297.

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

34.7944, 0.2946, 0.2297

Protanopia

35.1566, 0.2360, 0.2250

Deuteranopia

34.9114, 0.2546, 0.2485



Tritanopia

34.6329, 0.3403, 0.3128

Trichromacy



Original Color

34.7944, 0.2946, 0.2297



Protanomaly

34.5938, 0.2543, 0.2261



Deuteranomaly

34.5038, 0.2678, 0.2411



Tritanomaly

34.5753, 0.3231, 0.2806

Monochromacy



Original Color

34.7944, 0.2946, 0.2297



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

35.8020, 0.3069, 0.2883

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7944, 0.2946, 0.2297 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(196, 137, 220)` looks like.

```
.text, #text, p{  
    color:rgb(196, 137, 220)  
}
```

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(196, 137, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 137, 220) }
```

Border

The CSS property to change the border of an element to Yxy 34.7944, 0.2946, 0.2297 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(196, 137, 220) }
```

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

```
.border{ border-color:rgb(196, 137, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 137, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 137, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 137, 220);  
box-shadow:4px 4px 4px 4px rgb(196, 137,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7944, 0.2946, 0.2297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 137, 220) }
```

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

```
.background{ background-color: rgb(196,  
137, 220) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor