

Converting Colors

$Y_{xy}(37.4210, 0.3238, 0.2639)$

Have a look what the booklet for
Yxy(37.4210, 0.3238, 0.2639)
contains.

Yxy(37.5934, 0.3245, 0.2649)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.5934, 0.3245, 0.2649)

Conversions

Conversions Part 1

Format	Color
Hex	CF91C6
RGB	207, 145, 198
RGB Percent	81%, 57%, 78%
CMY	0.1883, 0.4314, 0.2234
CMYK	0.00, 0.30, 0.04, 0.19
HSL	309°, 39%, 69%
HSV	309°, 30%, 81%
XYZ	46.0516, 37.5934, 58.2705
YIQ	169.5800, 19.9390, 29.6270

Conversions

Conversions Part 2

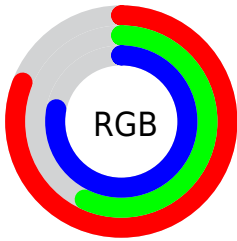
Format	Color
R_{YB}	207, 145, 198
Decimal	13603270
CIE _{Lab}	67.72, 31.85, -18.03
CIE _{LCh}	68, 36.599, 330.481
Yxy	37.5934, 0.3245, 0.2649
Android (android.graphics.Color)	4291793350 (0xFFCF91C6)
YUV	169.5800, 14.0111, 32.8173
Hunter-Lab	61.3135, 26.7700, -13.4280

Details

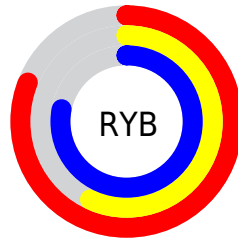
The Yxy color **37.5934, 0.3245, 0.2649** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **52.9754, 0.3029, 0.4029**, and the grayscale version is **39.9015, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.7886, 0.3152, 0.2752**, and **16.5177, 0.3276, 0.2471** is the 20% darker color. If you saturate the color by 10%, you get **31.6979, 0.3294, 0.2438**, and if you desaturate by 10%, it is **44.6474, 0.3201, 0.2866**.

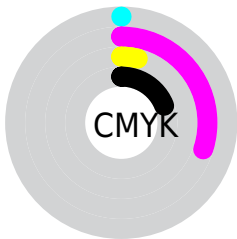
Distribution



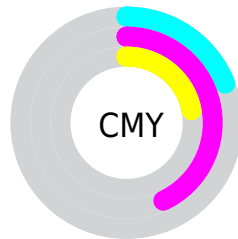
- Red (81%)
- Green (57%)
- Blue (78%)



- Red (81%)
- Yellow (57%)
- Blue (78%)



- Cyan (0%)
- Magenta (30%)
- Yellow (4%)
- Black (19%)





- Cyan (19%)
- Magenta (43%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.5934, 0.3245, 0.2649 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 37.5934, 0.3245, 0.2649 by changing the saturation by 10% instead.


 37.5934, 0.3245,
0.2649


 37.5934, 0.3245,
0.2649


335.8725, 0.3191,
0.2963

 25.6673, 0.3257,
0.2573


 71.4845, 0.3227,
0.2762

 16.5749, 0.3271,
0.2476


 94.2183, 0.3220,
0.2804

 9.9319, 0.3288,
0.2350


121.3233, 0.3213,
0.2841

 5.3538, 0.3308,
0.2178

153.1841, 0.3208,
0.2872

 2.4563, 0.3331,
0.1934

190.1851, 0.3203,
0.2899

 0.8546, 0.3349,
0.1562


232.7105, 0.3199,


 0.0000, 0.3528,

0.2923


0.0000


281.1449, 0.3195,
0.2944


 0.0000, 0.0000,
0.0000


 37.5934, 0.3245,
0.2649


 37.5934, 0.3245,
0.2649


 31.6979, 0.3294,
0.2438


 44.6474, 0.3201,
0.2866


 26.8933, 0.3346,
0.2241


 52.9128, 0.3161,
0.3082


 23.1127, 0.3401,
0.2068

 62.4454, 0.3127,
0.3291

 20.2795, 0.3457,
0.1930

 73.2959, 0.3097,
0.3490

 18.3069, 0.3512,
0.1832

 85.5122, 0.3071,
0.3675

■ 17.0916, 0.3565,
0.1780

■ 89.7422, 0.3053,
0.3708

■ 16.4438, 0.3615,
0.1765

■ 89.8985, 0.3036,
0.3675

■ 16.4409, 0.3615,
0.1765

■ 90.0577, 0.3020,
0.3642

■ 90.2197, 0.3003,
0.3609

Harmonies

Analogous

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



37.5934, 0.2711, 0.2454



37.5934, 0.3245, 0.2649



37.5934, 0.3789, 0.2983

Triad

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



37.5934, 0.3245, 0.2649



37.5934, 0.3949, 0.4165



37.5934, 0.2197, 0.3042

Complementary

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



37.5934, 0.3245, 0.2649



52.9754, 0.3029, 0.4029

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.



37.5934, 0.2476, 0.3590



37.5934, 0.3245, 0.2649



37.5934, 0.3480, 0.4290

Square

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



37.5934, 0.3245, 0.2649



37.5934, 0.4206, 0.3823



37.5934, 0.2940, 0.4082



37.5934, 0.2147, 0.2635

Rectangle

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



37.5934, 0.3245, 0.2649



37.5934, 0.4062, 0.3255



37.5934, 0.2940, 0.4082



37.5934, 0.2266, 0.3216

Sweetspot

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



37.5951, 0.3245, 0.2649



86.0094, 0.3158, 0.3100



31.5553, 0.2671, 0.2438



17.9598, 0.3164, 0.3069



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.



37.5951, 0.3245, 0.2649



53.9194, 0.3276, 0.2511



36.3339, 0.3548, 0.3005



11.9784, 0.3160, 0.3093



10.3699, 0.3609, 0.1762



0.5881, 0.3525, 0.1715

Inverse Universe

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



37.5951, 0.3245, 0.2649



53.9194, 0.3276, 0.2511



54.1150, 0.2836, 0.3596



11.9784, 0.3160, 0.3093



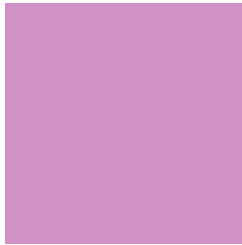
10.3699, 0.3609, 0.1762



0.5881, 0.3525, 0.1715

Previews

White Background



This preview shows how the Yxy color 37.5934, 0.3245, 0.2649 looks on a white background.

Color Contrast Check

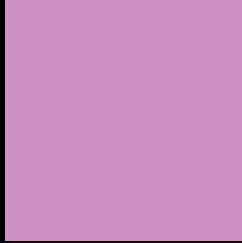
Large Text (above 18pt) WCAG AA × Fail

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 37.5934, 0.3245, 0.2649 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

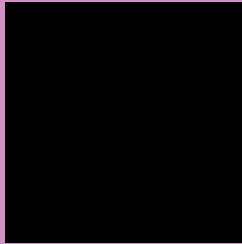
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.5934, 0.3245, 0.2649

Background



This preview shows how black text looks on a background with the Yxy color 37.5934, 0.3245, 0.2649.



This preview shows how white text looks on a background with the Yxy color 37.5934, 0.3245, 0.2649.

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

37.5934, 0.3245, 0.2649

Protanopia

38.0264, 0.2666, 0.2656

Deuteranopia

37.6454, 0.2896, 0.2830



Tritanopia

37.6574, 0.3530, 0.3150

Trichromacy



Original Color

37.5934, 0.3245, 0.2649

Protanomaly

37.4544, 0.2860, 0.2649

Deuteranomaly

37.3733, 0.3021, 0.2756

Tritanomaly

37.4669, 0.3425, 0.2951

Monochromacy



Original Color

37.5934, 0.3245, 0.2649

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

38.8523, 0.3167, 0.3038

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5934, 0.3245, 0.2649 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(207, 145, 198)` looks like.

```
.text, #text, p{  
    color:rgb(207, 145, 198)  
}
```

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(207, 145, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 145, 198) }
```

Border

The CSS property to change the border of an element to Yxy 37.5934, 0.3245, 0.2649 is called "border". The border property can be set on classes, ids or directly on the HTML element.

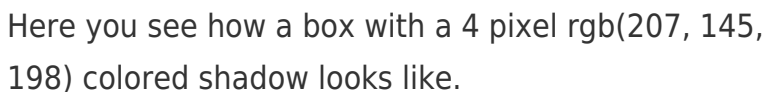
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(207, 145, 198) }
```

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

```
.border{ border-color:rgb(207, 145, 198) }
```

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



Here you see how a box with a 4 pixel rgb(207, 145, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 145, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 145, 198);  
box-shadow:4px 4px 4px 4px rgb(207, 145,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5934, 0.3245, 0.2649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 145, 198) }
```

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

```
.background{ background-color: rgb(207,  
145, 198) }
```

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