

Converting Colors

$Yxy(37.7518, 0.2894, 0.2666)$

Have a look what the booklet for
Yxy(37.7518, 0.2894, 0.2666)
contains.

Yxy(37.7518, 0.2894, 0.2666)	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(37.7518, 0.2894, 0.2666)

Conversions

Conversions Part 1

Format	Color
Hex	B09DCD
RGB	176, 157, 205
RGB Percent	69%, 62%, 80%
CMY	0.3098, 0.3843, 0.1961
CMYK	0.14, 0.23, 0.00, 0.20
HSL	264°, 32%, 71%
HSV	264°, 23%, 80%
XYZ	40.9804, 37.7518, 62.8725
YIQ	168.1530, -4.0840, 18.9560

Conversions

Conversions Part 2

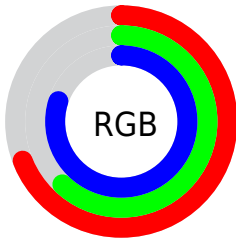
Format	Color
RYB	176, 157, 205
Decimal	11574733
CIELab	67.84, 16.36, -22.00
CIELCh	68, 27.416, 306.645
Yxy	37.7518, 0.2894, 0.2666
Android (android.graphics.Color)	4289764813 (0xFFB09DCD)
YUV	168.1530, 18.1656, 6.8818
Hunter-Lab	61.4425, 11.5300, -17.6601

Details

The Yxy color **37.7518, 0.2894, 0.2666** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **56.5245, 0.3322, 0.3899**, and the grayscale version is **39.1486, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.4628, 0.2985, 0.2850**, and **16.7534, 0.2815, 0.2494** is the 20% darker color. If you saturate the color by 10%, you get **30.0114, 0.2770, 0.2366**, and if you desaturate by 10%, it is **46.7905, 0.3003, 0.2948**.

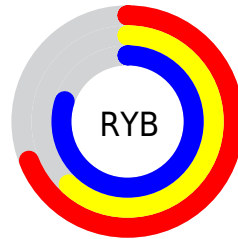
Distribution



Red (69%)

Green (62%)

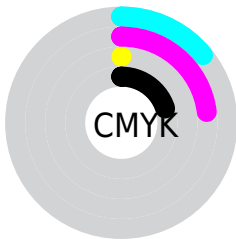
Blue (80%)



Red (69%)

Yellow (62%)

Blue (80%)

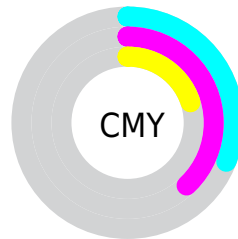


Cyan (14%)

Magenta (23%)

Yellow (0%)

Black (20%)



Cyan (31%)


Magenta (38%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7518, 0.2894, 0.2666 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 37.7518, 0.2894, 0.2666 by changing the saturation by 10% instead.

 37.7518, 0.2894,
0.2666


 37.7518, 0.2894,
0.2666


336.5541, 0.3018,
0.2976

 25.7901, 0.2861,
0.2590


 71.7276, 0.2940,
0.2778

 16.6667, 0.2818,
0.2493


 94.5104, 0.2957,
0.2820

 9.9971, 0.2759,
0.2366


121.6691, 0.2972,
0.2856

 5.3971, 0.2673,
0.2192

153.5880, 0.2984,
0.2886

 2.4821, 0.2539,
0.1941

190.6516, 0.2994,
0.2913

 0.8676, 0.2306,
0.1557

233.2442, 0.3003,


 0.0000, 0.1158,


0.2937


0.0000


281.7502, 0.3011,
0.2957


 0.0000, 0.0000,
0.0000


 37.7518, 0.2894,
0.2666


 37.7518, 0.2894,
0.2666

 30.0114, 0.2770,
0.2366


 46.7905, 0.3003,
0.2948


 23.5030, 0.2632,
0.2057


 57.1802, 0.3098,
0.3207


 18.1616, 0.2483,
0.1749

 68.9762, 0.3179,
0.3442

 13.9141, 0.2329,
0.1459

 82.2294, 0.3247,
0.3653

 10.6787, 0.2176,
0.1203

 94.0867, 0.3311,
0.3799

■ 8.3615, 0.2032,
0.0997

■ 96.3023, 0.3392,
0.3786

■ 6.8500, 0.1905,
0.0852

■ 97.1869, 0.3424,
0.3781

■ 6.1652, 0.1832,
0.0783

Harmonies

Analogous

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



37.7518, 0.2566, 0.2629



37.7518, 0.2894, 0.2666



37.7518, 0.3308, 0.2844

Triad

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



37.7518, 0.2894, 0.2666



37.7518, 0.3917, 0.3770



37.7518, 0.2579, 0.3432

Complementary

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



37.7518, 0.2894, 0.2666



56.5245, 0.3322, 0.3899

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.



37.7518, 0.2914, 0.3807



37.7518, 0.2894, 0.2666



37.7518, 0.3691, 0.3988

Square

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



37.7518, 0.2894, 0.2666



37.7518, 0.3921, 0.3455



37.7518, 0.3321, 0.4015



37.7518, 0.2393, 0.3040

Rectangle

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



37.7518, 0.2894, 0.2666



37.7518, 0.3576, 0.3022



37.7518, 0.3321, 0.4015



37.7518, 0.2677, 0.3567

Sweetspot

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



37.7534, 0.2894, 0.2666



87.1479, 0.3065, 0.3114



46.9424, 0.2765, 0.3046



18.4276, 0.3059, 0.3099



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.



37.7534, 0.2894, 0.2666



55.3149, 0.2834, 0.2520



40.7169, 0.3103, 0.2704



11.0572, 0.3043, 0.3055



3.8905, 0.1846, 0.0791



0.2444, 0.2072, 0.0915

Inverse Universe

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



40.6359, 0.3326, 0.2932



60.9054, 0.3379, 0.2853



53.8329, 0.3139, 0.3935



11.3255, 0.3197, 0.3151



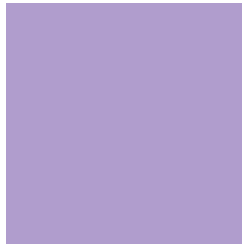
9.0018, 0.4512, 0.2259



0.4791, 0.4191, 0.2082

Previews

White Background



This preview shows how the Yxy color 37.7518, 0.2894, 0.2666 looks on a white background.

Color Contrast Check

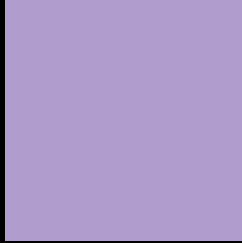
Large Text (above 18pt) WCAG AA × Fail

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 37.7518, 0.2894, 0.2666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

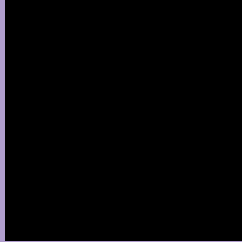
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.7518, 0.2894, 0.2666

Background



This preview shows how black text looks on a background with the Yxy color 37.7518, 0.2894, 0.2666.



This preview shows how white text looks on a background with the Yxy color 37.7518, 0.2894, 0.2666.

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

37.7518, 0.2894, 0.2666

Protanopia

38.0741, 0.2681, 0.2670

Deuteranopia

37.8817, 0.2786, 0.2725



Tritanopia

37.5937, 0.3098, 0.3110

Trichromacy



Original Color

37.7518, 0.2894, 0.2666

Protanomaly

37.7252, 0.2755, 0.2663

Deuteranomaly

37.7167, 0.2826, 0.2705

Tritanomaly

37.5710, 0.3023, 0.2937

Monochromacy



Original Color

37.7518, 0.2894, 0.2666

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

38.5450, 0.3046, 0.3057

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7518, 0.2894, 0.2666 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(176, 157, 205)` looks like.

```
.text, #text, p{  
    color:rgb(176, 157, 205)  
}
```

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(176, 157, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 157, 205) }
```

Border

The CSS property to change the border of an element to Yxy 37.7518, 0.2894, 0.2666 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(176, 157, 205) }
```

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

```
.border{ border-color:rgb(176, 157, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 157, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 157, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 157, 205);  
box-shadow:4px 4px 4px 4px rgb(176, 157,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7518, 0.2894, 0.2666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 157, 205) }
```

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

```
.background{ background-color: rgb(176,  
157, 205) }
```

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