

Converting Colors

$Yxy(37.7713, 0.3011, 0.2795)$

Have a look what the booklet for
Yxy(37.7713, 0.3011, 0.2795)
contains.

Yxy(37.7574, 0.3011, 0.2792)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.7574, 0.3011, 0.2792)

Conversions

Conversions Part 1

Format	Color
Hex	B49DC3
RGB	180, 157, 195
RGB Percent	71%, 62%, 76%
CMY	0.2943, 0.3842, 0.2354
CMYK	0.08, 0.19, 0.00, 0.24
HSL	276°, 24%, 69%
HSV	276°, 19%, 76%
XYZ	40.7190, 37.7574, 56.7578
YIQ	168.2090, 1.5100, 16.6940

Conversions

Conversions Part 2

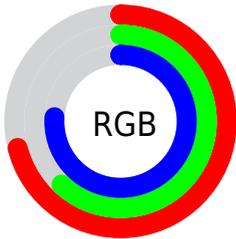
Format	Color
RYB	180, 157, 195
Decimal	11836867
CIELab	67.84, 15.54, -16.41
CIELCh	68, 22.598, 313.449
Yxy	37.7574, 0.3011, 0.2792
Android (android.graphics.Color)	4290026947 (0xFFB49DC3)
YUV	168.2090, 13.2080, 10.3407
Hunter-Lab	61.4471, 10.7540, -11.7524

Details

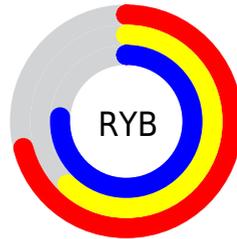
The Yxy color $37.7574, 0.3011, 0.2792$ is a light color, and the websafe version is hex `9999CC`. A complement of this color would be $50.2318, 0.3224, 0.3799$, and the grayscale version is $39.1974, 0.3127, 0.3290$.

A 20% lighter version of the original color is $71.9481, 0.3033, 0.2882$, and $16.7432, 0.2975, 0.2662$ is the 20% darker color. If you saturate the color by 10%, you get $30.7777, 0.2936, 0.2515$, and if you desaturate by 10%, it is $45.8448, 0.3075, 0.3056$.

Distribution



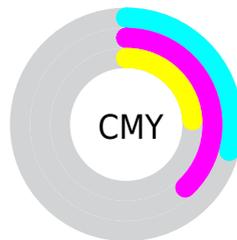
- Red (71%)
- Green (62%)
- Blue (76%)



- Red (71%)
- Yellow (62%)
- Blue (76%)



- Cyan (8%)
- Magenta (19%)
- Yellow (0%)
- Black (24%)



- Cyan (29%)
- Magenta (38%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.7574, 0.3011, 0.2792 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 37.7574, 0.3011, 0.2792 by changing the saturation by 10% instead.

 37.7574, 0.3011,
0.2792

 37.7574, 0.3011,
0.2792

336.5781, 0.3074,
0.3041

 25.7945, 0.2994,
0.2730

 71.7361, 0.3035,
0.2882

 16.6699, 0.2971,
0.2651

 94.5207, 0.3044,
0.2916

 9.9994, 0.2939,
0.2545

121.6813, 0.3051,
0.2945

 5.3986, 0.2891,
0.2399

153.6023, 0.3057,
0.2970

 2.4830, 0.2813,
0.2185

190.6681, 0.3062,
0.2991

 0.8681, 0.2670,
0.1841

233.2631, 0.3067,

 0.0000, 0.1465,

0.3010

0.0000

281.7716, 0.3070,
0.3026

 0.0000, 0.0000,
0.0000

 37.7574, 0.3011,
0.2792

 37.7574, 0.3011,
0.2792

 30.7777, 0.2936,
0.2515

 45.8448, 0.3075,
0.3056

 24.8501, 0.2851,
0.2232

 55.0824, 0.3130,
0.3303

 19.9217, 0.2757,
0.1953

 65.5163, 0.3175,
0.3530

 15.9325, 0.2655,
0.1689

 77.1886, 0.3213,
0.3736

 12.8164, 0.2549,
0.1453

 90.1394, 0.3244,
0.3923

10.4978, 0.2442,
0.1258

91.6712, 0.3293,
0.3918

8.8880, 0.2339,
0.1112

92.9494, 0.3344,
0.3908

7.8271, 0.2243,
0.1011

94.2845, 0.3395,
0.3898

7.7756, 0.2238,
0.1006

95.6772, 0.3447,
0.3887

Harmonies

Analogous

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



37.7574, 0.2714, 0.2734



37.7574, 0.3011, 0.2792



37.7574, 0.3356, 0.2965

Triad

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



37.7574, 0.3011, 0.2792



37.7574, 0.3752, 0.3744



37.7574, 0.2625, 0.3334

Complementary

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



37.7574, 0.3011, 0.2792



50.2318, 0.3224, 0.3799

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.



37.7574, 0.2882, 0.3651



37.7574, 0.3011, 0.2792



37.7574, 0.3535, 0.3886

Square

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



37.7574, 0.3011, 0.2792



37.7574, 0.3797, 0.3497



37.7574, 0.3214, 0.3859



37.7574, 0.2501, 0.3025

Rectangle

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



37.7574, 0.3011, 0.2792



37.7574, 0.3564, 0.3127



37.7574, 0.3214, 0.3859



37.7574, 0.2698, 0.3444

Sweetspot

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



37.7590, 0.3011, 0.2792



87.4757, 0.3095, 0.3141



40.6933, 0.2820, 0.2977



18.9207, 0.3091, 0.3125



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.



37.7590, 0.3011, 0.2792



62.5468, 0.2983, 0.2685



39.4911, 0.3183, 0.2858



10.0421, 0.3076, 0.3059



5.1049, 0.2250, 0.1013



0.2596, 0.2464, 0.1131

Inverse Universe

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



38.7020, 0.3360, 0.3096



64.5647, 0.3418, 0.3054



48.7577, 0.3075, 0.3764



10.1425, 0.3228, 0.3199



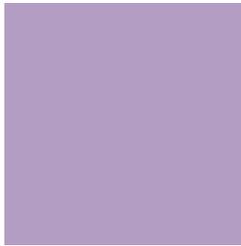
7.9064, 0.5369, 0.2731



0.3552, 0.4776, 0.2405

Previews

White Background



This preview shows how the Yxy color 37.7574, 0.3011, 0.2792 looks on a white background.

Color Contrast Check

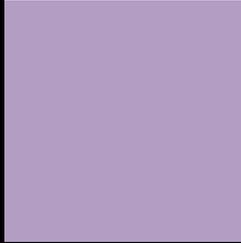
Large Text (above 18pt) WCAG AA × Fail

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 37.7574, 0.3011, 0.2792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

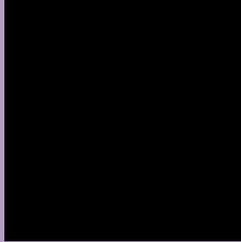
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

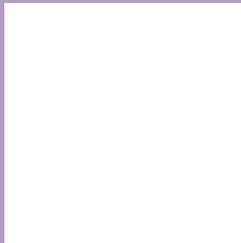
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.7574, 0.3011, 0.2792

Background



This preview shows how black text looks on a background with the Yxy color 37.7574, 0.3011, 0.2792.



This preview shows how white text looks on a background with the Yxy color 37.7574, 0.3011, 0.2792.

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

37.7574, 0.3011, 0.2792

Protanopia

37.9902, 0.2784, 0.2798

Deuteranopia

37.7096, 0.2913, 0.2843



Tritanopia

37.8540, 0.3173, 0.3126

Trichromacy



Original Color

37.7574, 0.3011, 0.2792

Protanomaly

37.6739, 0.2864, 0.2791

Deuteranomaly

37.8073, 0.2948, 0.2834

Tritanomaly

37.9428, 0.3112, 0.3007

Monochromacy



Original Color

37.7574, 0.3011, 0.2792

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

38.5359, 0.3081, 0.3098

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7574, 0.3011, 0.2792 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(180, 157, 195)` looks like.

```
.text, #text, p{  
    color:rgb(180, 157, 195)  
}
```

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(180, 157, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 157, 195) }
```

Border

The CSS property to change the border of an element to Yxy 37.7574, 0.3011, 0.2792 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(180, 157, 195) }
```

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

```
.border{ border-color:rgb(180, 157, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 157, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 157, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 157, 195);  
box-shadow:4px 4px 4px 4px rgb(180, 157,  
195) }
```

Background

The CSS property to change the background color of an element to Yxy 37.7574, 0.3011, 0.2792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 157, 195) }
```

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

```
.background{ background-color: rgb(180,  
157, 195) }
```

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