

Converting Colors

$Y_{xy}(30.9486, 0.2971, 0.2491)$

Have a look what the booklet for
Yxy(30.9486, 0.2971, 0.2491)
contains.

Yxy(30.9410, 0.2974, 0.2493)	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(30.9410, 0.2974, 0.2493)

Conversions

Conversions Part 1

Format	Color
Hex	B188C4
RGB	177, 136, 196
RGB Percent	69%, 53%, 77%
CMY	0.3056, 0.4668, 0.2313
CMYK	0.10, 0.31, 0.00, 0.23
HSL	281°, 34%, 65%
HSV	281°, 31%, 77%
XYZ	36.9108, 30.9410, 56.2597
YIQ	155.0990, 5.1760, 27.3520

Conversions

Conversions Part 2

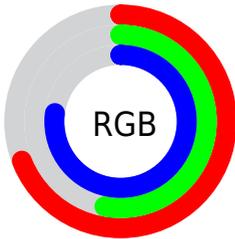
Format	Color
RYB	177, 136, 196
Decimal	11634884
CIELab	62.46, 26.61, -25.22
CIElCh	62, 36.659, 316.539
Yxy	30.9410, 0.2974, 0.2493
Android (android.graphics.Color)	4289824964 (0xFFB188C4)
YUV	155.0990, 20.1642, 19.2072
Hunter-Lab	55.6246, 21.1039, -21.0297

Details

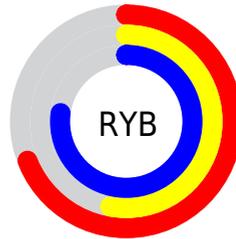
The Yxy color **30.9410, 0.2974, 0.2493** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **48.2252, 0.3235, 0.4139**, and the grayscale version is **32.7342, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.2424, 0.3006, 0.2639**, and **12.8937, 0.2918, 0.2277** is the 20% darker color. If you saturate the color by 10%, you get **25.2074, 0.2907, 0.2219**, and if you desaturate by 10%, it is **37.7198, 0.3033, 0.2765**.

Distribution



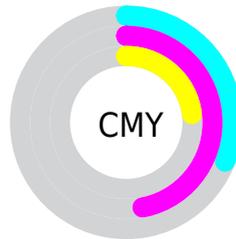
- Red (69%)
- Green (53%)
- Blue (77%)



- Red (69%)
- Yellow (53%)
- Blue (77%)



- Cyan (10%)
- Magenta (31%)
- Yellow (0%)
- Black (23%)



- Cyan (31%)
- Magenta (47%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.9410, 0.2974, 0.2493 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 30.9410, 0.2974, 0.2493 by changing the saturation by 10% instead.

■ 30.9410, 0.2974,
0.2493

■ 30.9410, 0.2974,
0.2493

■ 306.2664, 0.3063,
0.2893

■ 20.5539, 0.2948,
0.2394

■ 61.1472, 0.3009,
0.2638

■ 12.7983, 0.2911,
0.2267

■ 81.7351, 0.3022,
0.2693

■ 7.2898, 0.2859,
0.2099

■ 106.4920, 0.3032,
0.2739

■ 3.6440, 0.2777,
0.1870

■ 135.8024, 0.3040,
0.2779

■ 1.4765, 0.2639,
0.1541

■ 170.0506, 0.3047,
0.2813

■ 0.2721, 0.2454,
0.0734

■ 209.6211, 0.3053,

■ 0.0000, 0.0000,

0.2843

0.0000

254.8983, 0.3059,
0.2869

■ 30.9410, 0.2974,
0.2493

■ 30.9410, 0.2974,
0.2493

■ 25.2074, 0.2907,
0.2219

■ 37.7198, 0.3033,
0.2765

■ 20.4594, 0.2833,
0.1953

■ 45.5911, 0.3083,
0.3027

■ 16.6377, 0.2752,
0.1706

■ 54.6041, 0.3125,
0.3275

■ 13.6744, 0.2667,
0.1491

■ 64.8040, 0.3160,
0.3505

■ 11.4925, 0.2581,
0.1317

■ 76.2331, 0.3188,
0.3716

■ 10.0004, 0.2498,
0.1190

■ 88.9320, 0.3211,
0.3908

■ 9.0655, 0.2422,
0.1108

■ 90.7809, 0.3249,
0.3914

■ 91.7667, 0.3289,
0.3906

■ 92.7885, 0.3330,
0.3899

Harmonies

Analogous

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



30.9410, 0.2468, 0.2371



30.9410, 0.2974, 0.2493



30.9410, 0.3574, 0.2784

Triad

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



30.9410, 0.2974, 0.2493



30.9410, 0.4165, 0.4066



30.9410, 0.2246, 0.3284

Complementary

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



30.9410, 0.2974, 0.2493



48.2252, 0.3235, 0.4139

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.



30.9410, 0.2642, 0.3882



30.9410, 0.2974, 0.2493



30.9410, 0.3751, 0.4335

Square

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



30.9410, 0.2974, 0.2493



30.9410, 0.4298, 0.3645



30.9410, 0.3191, 0.4292



30.9410, 0.2081, 0.2763

Rectangle

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



30.9410, 0.2974, 0.2493



30.9410, 0.3935, 0.3046



30.9410, 0.3191, 0.4292



30.9410, 0.2354, 0.3487

Sweetspot

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



30.9423, 0.2974, 0.2493



84.8730, 0.3089, 0.3065



32.6575, 0.2623, 0.2691



17.6782, 0.3083, 0.3027



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.



30.9423, 0.2974, 0.2493



48.6295, 0.2928, 0.2302



32.8427, 0.3271, 0.2664



10.0829, 0.3088, 0.3060



5.8716, 0.2433, 0.1114



0.2891, 0.2612, 0.1212

Inverse Universe

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



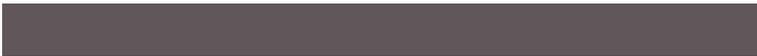
31.7038, 0.3593, 0.3039



50.3644, 0.3744, 0.2980



46.8250, 0.3011, 0.4010



10.1291, 0.3240, 0.3218



7.7773, 0.5680, 0.2903



0.3488, 0.5033, 0.2546

Previews

White Background



This preview shows how the Yxy color 30.9410, 0.2974, 0.2493 looks on a white background.

Color Contrast Check

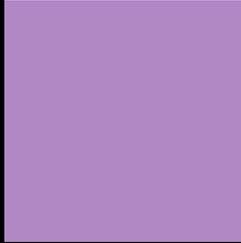
Large Text (above 18pt) WCAG AA × Fail

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 30.9410, 0.2974, 0.2493 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

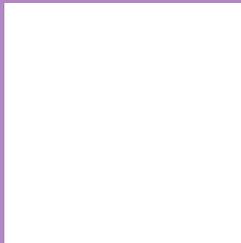
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.9410, 0.2974, 0.2493

Background



This preview shows how black text looks on a background with the Yxy color 30.9410, 0.2974, 0.2493.



This preview shows how white text looks on a background with the Yxy color 30.9410, 0.2974, 0.2493.

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

30.9410, 0.2974, 0.2493

Protanopia

31.1020, 0.2536, 0.2474

Deuteranopia

31.0041, 0.2693, 0.2623



Tritanopia

30.9710, 0.3304, 0.3131

Trichromacy



Original Color

30.9410, 0.2974, 0.2493

Protanomaly

30.6948, 0.2679, 0.2476

Deuteranomaly

30.9546, 0.2787, 0.2573

Tritanomaly

30.8363, 0.3178, 0.2881

Monochromacy



Original Color

30.9410, 0.2974, 0.2493

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

31.8686, 0.3072, 0.2971

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9410, 0.2974, 0.2493 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(177, 136, 196)` looks like.

```
.text, #text, p{  
    color:rgb(177, 136, 196)  
}
```

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(177, 136, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 136, 196) }
```

Border

The CSS property to change the border of an element to Yxy 30.9410, 0.2974, 0.2493 is called "border". The border property can be set on classes, ids or directly on the HTML element.

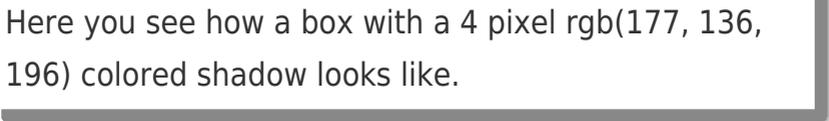
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 136, 196) }
```

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

```
.border{ border-color:rgb(177, 136, 196) }
```

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



Here you see how a box with a 4 pixel `rgb(177, 136, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 136, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 136, 196); box-shadow:4px 4px 4px 4px rgb(177, 136, 196) }
```

Background

The CSS property to change the background color of an element to Yxy 30.9410, 0.2974, 0.2493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 136, 196) }
```

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

```
.background{ background-color: rgb(177,  
136, 196) }
```

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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