

Converting Colors

$Y_{xy}(31.2372, 0.2936, 0.2551)$

Have a look what the booklet for
Yxy(31.2372, 0.2936, 0.2551)
contains.

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Color

Yxy(31.3091, 0.2934, 0.2558)

Conversions

Conversions Part 1

Format	Color
Hex	AB8CC2
RGB	171, 140, 194
RGB Percent	67%, 55%, 76%
CMY	0.3293, 0.4510, 0.2393
CMYK	0.12, 0.28, 0.00, 0.24
HSL	274°, 31%, 65%
HSV	274°, 28%, 76%
XYZ	35.9112, 31.3091, 55.1765
YIQ	155.4250, 1.1420, 23.3660

Conversions

Conversions Part 2

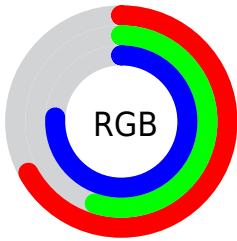
Format	Color
RYB	171, 140, 194
Decimal	11242690
CIELab	62.77, 21.95, -23.64
CIELCh	63, 32.263, 312.871
Yxy	31.3091, 0.2934, 0.2558
Android (android.graphics.Color)	4289432770 (0xFFAB8CC2)
YUV	155.4250, 19.0175, 13.6593
Hunter-Lab	55.9545, 16.6396, -19.2974

Details

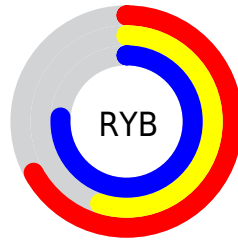
The Yxy color **31.3091, 0.2934, 0.2558** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **48.2497, 0.3275, 0.4040**, and the grayscale version is **32.8913, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.8795, 0.2975, 0.2692**, and **13.0573, 0.2862, 0.2356** is the 20% darker color. If you saturate the color by 10%, you get **25.2345, 0.2844, 0.2272**, and if you desaturate by 10%, it is **38.4434, 0.3013, 0.2835**.

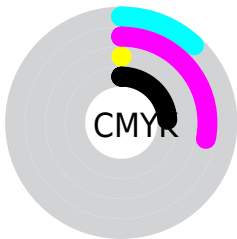
Distribution



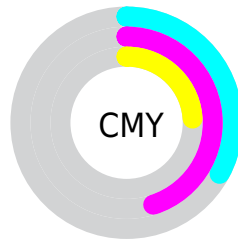
- Red (67%)
- Green (55%)
- Blue (76%)



- Red (67%)
- Yellow (55%)
- Blue (76%)



- Cyan (12%)
- Magenta (28%)
- Yellow (0%)
- Black (24%)





- Cyan (33%)
- Magenta (45%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.3091, 0.2934, 0.2558 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 31.3091, 0.2934, 0.2558 by changing the saturation by 10% instead.


 31.3091, 0.2934,
0.2558


 31.3091, 0.2934,
0.2558


307.9598, 0.3042,
0.2928


 20.8343, 0.2903,
0.2465


 61.7264, 0.2976,
0.2693

 13.0030, 0.2861,
0.2346


 82.4377, 0.2991,
0.2743

 7.4306, 0.2802,
0.2188


 107.3300, 0.3004,
0.2786

 3.7328, 0.2711,
0.1969

136.7876, 0.3014,
0.2823

 1.5253, 0.2559,
0.1651

171.1951, 0.3023,
0.2854

 0.3064, 0.2347,
0.0869

210.9366, 0.3030,

 0.0000, 0.0000,

0.2882

0.0000

256.3968, 0.3037,
0.2906

■ 31.3091, 0.2934,
0.2558

■ 31.3091, 0.2934,
0.2558

■ 25.2345, 0.2844,
0.2272

■ 38.4434, 0.3013,
0.2835

■ 20.1622, 0.2744,
0.1987

■ 46.6831, 0.3081,
0.3098

■ 16.0351, 0.2635,
0.1715

■ 56.0760, 0.3139,
0.3341

■ 12.7887, 0.2522,
0.1468

■ 66.6657, 0.3187,
0.3565

■ 10.3501, 0.2408,
0.1261

■ 78.4939, 0.3227,
0.3767

8.6339, 0.2298,
0.1101

90.7115, 0.3262,
0.3936

7.5140, 0.2195,
0.0992

92.0349, 0.3315,
0.3925

7.3044, 0.2173,
0.0971

93.4227, 0.3370,
0.3914

94.8760, 0.3425,
0.3903

Harmonies

Analogous

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



31.3091, 0.2501, 0.2471



31.3091, 0.2934, 0.2558



31.3091, 0.3458, 0.2803

Triad

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



31.3091, 0.2934, 0.2558



31.3091, 0.4072, 0.3944



31.3091, 0.2382, 0.3355

Complementary

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



31.3091, 0.2934, 0.2558



48.2497, 0.3275, 0.4040

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.



31.3091, 0.2758, 0.3861



31.3091, 0.2934, 0.2558



31.3091, 0.3737, 0.4192

Square

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



31.3091, 0.2934, 0.2558



31.3091, 0.4147, 0.3565



31.3091, 0.3253, 0.4182



31.3091, 0.2204, 0.2880

Rectangle

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



31.3091, 0.2934, 0.2558



31.3091, 0.3783, 0.3032



31.3091, 0.3253, 0.4182



31.3091, 0.2488, 0.3530

Sweetspot

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



31.3104, 0.2934, 0.2558



84.1212, 0.3079, 0.3090



35.8029, 0.2683, 0.2849



17.8931, 0.3069, 0.3051



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.



31.3104, 0.2934, 0.2558



50.2397, 0.2884, 0.2396



33.9570, 0.3194, 0.2648



10.0273, 0.3071, 0.3058



4.8527, 0.2186, 0.0978



0.2496, 0.2411, 0.1102

Inverse Universe

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



32.8655, 0.3474, 0.2986



53.5955, 0.3570, 0.2921



46.1509, 0.3065, 0.4029



10.1474, 0.3224, 0.3192



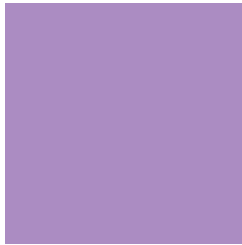
7.9621, 0.5249, 0.2665



0.3578, 0.4683, 0.2353

Previews

White Background



This preview shows how the Yxy color 31.3091, 0.2934, 0.2558 looks on a white background.

Color Contrast Check

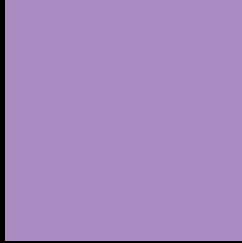
Large Text (above 18pt) WCAG AA × Fail

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 31.3091, 0.2934, 0.2558 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

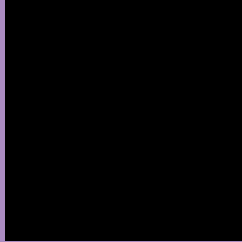
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.3091, 0.2934, 0.2558

Background



This preview shows how black text looks on a background with the Yxy color 31.3091, 0.2934, 0.2558.



This preview shows how white text looks on a background with the Yxy color 31.3091, 0.2934, 0.2558.

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

31.3091, 0.2934, 0.2558

Protanopia

31.4330, 0.2596, 0.2555

Deuteranopia

31.4117, 0.2727, 0.2667



Tritanopia

31.3354, 0.3207, 0.3129

Trichromacy



Original Color

31.3091, 0.2934, 0.2558

Protanomaly

31.1190, 0.2712, 0.2554

Deuteranomaly

31.3766, 0.2796, 0.2625

Tritanomaly

31.1023, 0.3104, 0.2903

Monochromacy



Original Color

31.3091, 0.2934, 0.2558

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

32.2543, 0.3061, 0.3013

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.3091, 0.2934, 0.2558 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(171, 140, 194)` looks like.

```
.text, #text, p{  
    color:rgb(171, 140, 194)  
}
```

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(171, 140, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 140, 194) }
```

Border

The CSS property to change the border of an element to Yxy 31.3091, 0.2934, 0.2558 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(171, 140, 194) }
```

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

```
.border{ border-color:rgb(171, 140, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 140, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 140, 194); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 140, 194); box-shadow:4px 4px 4px 4px rgb(171, 140, 194) }
```


Background

The CSS property to change the background color of an element to Yxy 31.3091, 0.2934, 0.2558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 140, 194) }
```

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

```
.background{ background-color: rgb(171,  
140, 194) }
```

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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