

Converting Colors

$Y_{xy}(31.1051, 0.3250, 0.2874)$

Have a look what the booklet for
Yxy(31.1051, 0.3250, 0.2874)
contains.

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Color

Yxy(30.9512, 0.3242, 0.2861)

Conversions

Conversions Part 1

Format	Color
Hex	B38BAA
RGB	179, 139, 170
RGB Percent	70%, 55%, 67%
CMY	0.2982, 0.4548, 0.3333
CMYK	0.00, 0.22, 0.05, 0.30
HSL	313°, 21%, 62%
HSV	313°, 22%, 70%
XYZ	35.0730, 30.9512, 42.1590
YIQ	154.4940, 13.8890, 18.1210

Conversions

Conversions Part 2

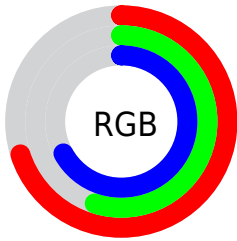
Format	Color
RYB	179, 139, 170
Decimal	11766698
CIELab	62.47, 20.41, -10.48
CIELCh	62, 22.949, 332.814
Yxy	30.9512, 0.3242, 0.2861
Android (android.graphics.Color)	4289956778 (0xFFB38BAA)
YUV	154.4940, 7.6445, 21.4918
Hunter-Lab	55.6338, 15.1718, -5.9860

Details

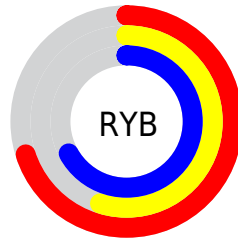
The Yxy color **30.9512, 0.3242, 0.2861** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **39.8540, 0.3030, 0.3761**, and the grayscale version is **32.5043, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.2383, 0.3222, 0.2949**, and **12.8884, 0.3276, 0.2734** is the 20% darker color. If you saturate the color by 10%, you get **26.0368, 0.3306, 0.2664**, and if you desaturate by 10%, it is **36.7214, 0.3186, 0.3057**.

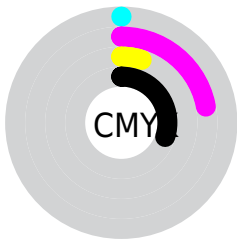
Distribution



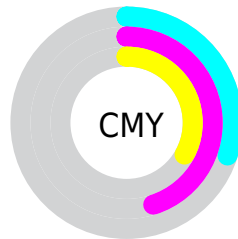
- Red (70%)
- Green (55%)
- Blue (67%)



- Red (70%)
- Yellow (55%)
- Blue (67%)



- Cyan (0%)
- Magenta (22%)
- Yellow (5%)
- Black (30%)





- Cyan (30%)
- Magenta (45%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.9512, 0.3242, 0.2861 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 30.9512, 0.3242, 0.2861 by changing the saturation by 10% instead.

 30.9512, 0.3242,
0.2861


 30.9512, 0.3242,
0.2861


306.3134, 0.3184,
0.3083


 20.5617, 0.3257,
0.2803


 61.1632, 0.3221,
0.2943

 12.8040, 0.3275,
0.2728

 81.7545, 0.3213,
0.2974

 7.2937, 0.3300,
0.2625


 106.5152, 0.3206,
0.2999

 3.6465, 0.3335,
0.2477

135.8297, 0.3201,
0.3021

 1.4778, 0.3386,
0.2245

170.0824, 0.3196,
0.3039

 0.2730, 0.3674,
0.1324

209.6576, 0.3191,

 0.0000, 0.0000,

0.3056

0.0000

254.9399, 0.3187,
0.3070

■ 30.9512, 0.3242,
0.2861

■ 30.9512, 0.3242,
0.2861

■ 26.0368, 0.3306,
0.2664

■ 36.7214, 0.3186,
0.3057

■ 21.9328, 0.3378,
0.2472

■ 43.3817, 0.3137,
0.3247

■ 18.5959, 0.3457,
0.2294

■ 50.9696, 0.3096,
0.3428

■ 15.9770, 0.3542,
0.2140

■ 59.5193, 0.3061,
0.3597

■ 14.0214, 0.3630,
0.2019

■ 69.0630, 0.3031,
0.3754

■ 12.6663, 0.3719,
0.1941

■ 79.6317, 0.3006,
0.3899

■ 11.8372, 0.3805,
0.1908

■ 85.1813, 0.2985,
0.3939

■ 11.4387, 0.3871,
0.1906

■ 85.3691, 0.2964,
0.3891

■ 85.5618, 0.2942,
0.3844

Harmonies

Analogous

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



30.9512, 0.2876, 0.2715



30.9512, 0.3242, 0.2861



30.9512, 0.3595, 0.3107

Triad

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



30.9512, 0.3242, 0.2861



30.9512, 0.3669, 0.3899



30.9512, 0.2479, 0.3111

Complementary

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



30.9512, 0.3242, 0.2861



39.8540, 0.3030, 0.3761

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.



30.9512, 0.2668, 0.3465



30.9512, 0.3242, 0.2861



30.9512, 0.3350, 0.3944

Square

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



30.9512, 0.3242, 0.2861



30.9512, 0.3846, 0.3692



30.9512, 0.2983, 0.3783



30.9512, 0.2454, 0.2837

Rectangle

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



30.9512, 0.3242, 0.2861



30.9512, 0.3766, 0.3303



30.9512, 0.2983, 0.3783



30.9512, 0.2525, 0.3225

Sweetspot

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



30.9526, 0.3242, 0.2861



71.8009, 0.3160, 0.3157



27.9892, 0.2839, 0.2692



15.7525, 0.3163, 0.3146



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.9526, 0.3242, 0.2861



50.7499, 0.3274, 0.2759



30.2629, 0.3449, 0.3130



8.6135, 0.3171, 0.3115



8.0968, 0.3861, 0.1901



0.2628, 0.3646, 0.1782

Inverse Universe

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



30.9526, 0.3242, 0.2861



50.7499, 0.3274, 0.2759



40.5306, 0.2883, 0.3457



8.6135, 0.3171, 0.3115



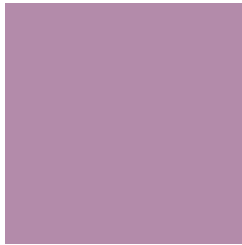
8.0968, 0.3861, 0.1901



0.2628, 0.3646, 0.1782

Previews

White Background



This preview shows how the Yxy color 30.9512, 0.3242, 0.2861 looks on a white background.

Color Contrast Check

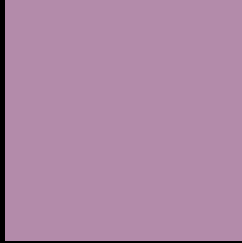
Large Text (above 18pt) WCAG AA × Fail

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 30.9512, 0.3242, 0.2861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

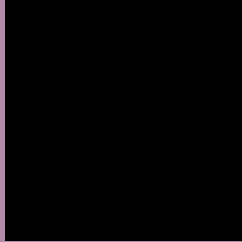
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.9512, 0.3242, 0.2861

Background



This preview shows how black text looks on a background with the Yxy color 30.9512, 0.3242, 0.2861.



This preview shows how white text looks on a background with the Yxy color 30.9512, 0.3242, 0.2861.

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

30.9512, 0.3242, 0.2861

Protanopia

31.0980, 0.2848, 0.2885

Deuteranopia

30.9637, 0.3041, 0.2979



Tritanopia

30.9930, 0.3393, 0.3134

Trichromacy



Original Color

30.9512, 0.3242, 0.2861

Protanomaly

30.8829, 0.2986, 0.2880

Deuteranomaly

30.9181, 0.3113, 0.2929

Tritanomaly

31.0179, 0.3342, 0.3037

Monochromacy



Original Color

30.9512, 0.3242, 0.2861

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

31.8195, 0.3165, 0.3128

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9512, 0.3242, 0.2861 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(179, 139, 170)` looks like.

```
.text, #text, p{  
    color:rgb(179, 139, 170)  
}
```

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(179, 139, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 139, 170) }
```

Border

The CSS property to change the border of an element to Yxy 30.9512, 0.3242, 0.2861 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(179, 139, 170) }
```

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

```
.border{ border-color:rgb(179, 139, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 139, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 139, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 139, 170);  
box-shadow:4px 4px 4px 4px rgb(179, 139,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9512, 0.3242, 0.2861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 139, 170) }
```

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

```
.background{ background-color: rgb(179,  
139, 170) }
```

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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