

Converting Colors

$Yxy(47.2565, 0.2894, 0.3057)$

Have a look what the booklet for
Yxy(47.2565, 0.2894, 0.3057)
contains.

Yxy(47.3159, 0.2895, 0.3057)	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(47.3159, 0.2895, 0.3057)

Conversions

Conversions Part 1

Format	Color
Hex	ACB8CA
RGB	172, 184, 202
RGB Percent	67%, 72%, 79%
CMY	0.3256, 0.2784, 0.2078
CMYK	0.15, 0.09, 0.00, 0.21
HSL	216°, 22%, 73%
HSV	216°, 15%, 79%
XYZ	44.8085, 47.3159, 62.6545
YIQ	182.4640, -12.9300, 3.0540

Conversions

Conversions Part 2

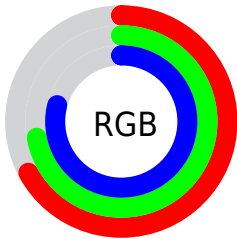
Format	Color
RYB	172, 181, 202
Decimal	11319498
CIELab	74.39, -0.47, -10.50
CIELCh	74, 10.515, 267.418
Yxy	47.3159, 0.2895, 0.3057
Android (android.graphics.Color)	4289509578 (0xFFACB8CA)
YUV	182.4640, 9.6312, -9.1769
Hunter-Lab	68.7866, -4.0992, -5.8539

Details

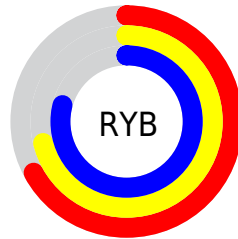
The Yxy color $47.3159, 0.2895, 0.3057$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $52.3432, 0.3369, 0.3513$, and the grayscale version is $46.9950, 0.3127, 0.3290$.

A 20% lighter version of the original color is $86.0342, 0.2962, 0.3138$, and $22.2927, 0.2825, 0.2989$ is the 20% darker color. If you saturate the color by 10%, you get $40.3903, 0.2729, 0.2878$, and if you desaturate by 10%, it is $55.0227, 0.3053, 0.3218$.

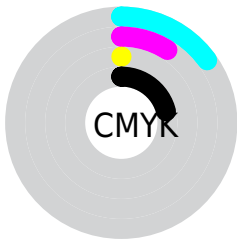
Distribution



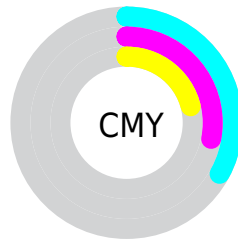
- Red (67%)
- Green (72%)
- Blue (79%)



- Red (67%)
- Yellow (71%)
- Blue (79%)



- Cyan (15%)
- Magenta (9%)
- Yellow (0%)
- Black (21%)



- Cyan (33%)
- Magenta (28%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.3159, 0.2895, 0.3057 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 47.3159, 0.2895, 0.3057 by changing the saturation by 10% instead.

■ 47.3159, 0.2895,
0.3057

■ 47.3159, 0.2895,
0.3057

376.0741, 0.3010,
0.3173

■ 33.2855, 0.2867,
0.3028

■ 86.1850, 0.2937,
0.3099

■ 22.3452, 0.2830,
0.2992

111.7924, 0.2952,
0.3115

■ 14.1108, 0.2782,
0.2943

142.0276, 0.2966,
0.3128

■ 8.1978, 0.2715,
0.2875

177.2750, 0.2977,
0.3140

■ 4.2217, 0.2617,
0.2776

217.9189, 0.2987,
0.3150

■ 1.7984, 0.2459,
0.2615

264.3438, 0.2996,

■ 0.4862, 0.2018,

0.3158

0.2178

316.9341, 0.3003,
0.3166

0.0000, 0.0000,
0.0000

47.3159, 0.2895,
0.3057

47.3159, 0.2895,
0.3057

40.3903, 0.2729,
0.2878

55.0227, 0.3053,
0.3218

34.2136, 0.2558,
0.2681

63.5299, 0.3202,
0.3361

28.7599, 0.2386,
0.2468

72.8630, 0.3341,
0.3487

23.9993, 0.2219,
0.2243

83.0449, 0.3469,
0.3598

19.8994, 0.2062,
0.2011

90.5293, 0.3461,
0.3713

■ 16.4247, 0.1923,
0.1780

■ 97.0448, 0.3442,
0.3810

■ 13.5356, 0.1807,
0.1557

■ 11.1857, 0.1719,
0.1353

■ 10.1547, 0.1682,
0.1255

Harmonies

Analogous

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



47.3159, 0.2847, 0.3130



47.3159, 0.2895, 0.3057



47.3159, 0.3005, 0.3046

Triad

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



47.3159, 0.2895, 0.3057



47.3159, 0.3389, 0.3321



47.3159, 0.3100, 0.3495

Complementary

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



47.3159, 0.2895, 0.3057



52.3432, 0.3369, 0.3513

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.



47.3159, 0.3246, 0.3546



47.3159, 0.2895, 0.3057



47.3159, 0.3415, 0.3441

Square

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



47.3159, 0.2895, 0.3057



47.3159, 0.3291, 0.3197



47.3159, 0.3362, 0.3525



47.3159, 0.2964, 0.3385

Rectangle

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



47.3159, 0.2895, 0.3057



47.3159, 0.3099, 0.3074



47.3159, 0.3362, 0.3525



47.3159, 0.3150, 0.3519

Sweetspot

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



47.3179, 0.2895, 0.3057



94.2809, 0.3066, 0.3230



54.7078, 0.2987, 0.3450



19.9551, 0.3054, 0.3219



0.0000, 0.0000, 0.0000



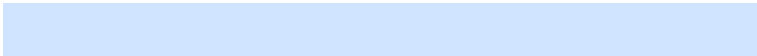
21.4041, 0.3127, 0.3290

Same Dimension

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



47.3179, 0.2895, 0.3057



76.0086, 0.2840, 0.2999



42.8066, 0.2910, 0.2899



11.5703, 0.2983, 0.3147



6.6977, 0.1689, 0.1280



0.4930, 0.1798, 0.1674

Inverse Universe

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



45.5091, 0.3296, 0.3141



72.4844, 0.3342, 0.3105



57.4349, 0.3328, 0.3658



11.2870, 0.3228, 0.3197



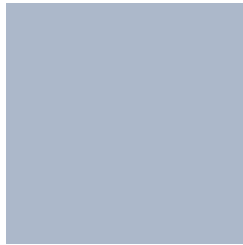
8.4791, 0.5354, 0.2723



0.4523, 0.4838, 0.2439

Previews

White Background



This preview shows how the Yxy color 47.3159, 0.2895, 0.3057 looks on a white background.

Color Contrast Check

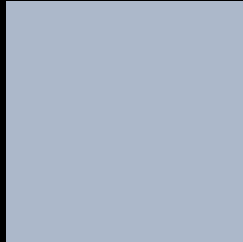
Large Text (above 18pt) WCAG AA × Fail

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 47.3159, 0.2895, 0.3057 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

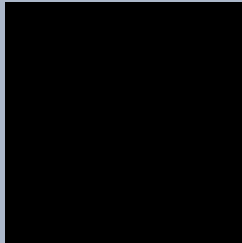
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

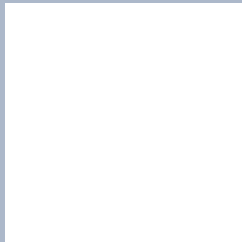
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.3159, 0.2895, 0.3057

Background



This preview shows how black text looks on a background with the Yxy color 47.3159, 0.2895, 0.3057.



This preview shows how white text looks on a background with the Yxy color 47.3159, 0.2895, 0.3057.

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

47.3159, 0.2895, 0.3057

Protanopia

47.4498, 0.2981, 0.3061

Deuteranopia

47.2290, 0.3040, 0.2980



Tritanopia

47.0624, 0.2909, 0.3094

Trichromacy



Original Color

47.3159, 0.2895, 0.3057

Protanomaly

47.5490, 0.2949, 0.3060

Deuteranomaly

47.1447, 0.2983, 0.3000

Tritanomaly

47.1090, 0.2902, 0.3082

Monochromacy



Original Color

47.3159, 0.2895, 0.3057

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.0061, 0.3039, 0.3212

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.3159, 0.2895, 0.3057 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(172, 184, 202)` looks like.

```
.text, #text, p{  
    color:rgb(172, 184, 202)  
}
```

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(172, 184, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 184, 202) }
```

Border

The CSS property to change the border of an element to Yxy 47.3159, 0.2895, 0.3057 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(172, 184, 202) }
```

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

```
.border{ border-color:rgb(172, 184, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 184, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 184, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 184, 202);  
box-shadow:4px 4px 4px 4px rgb(172, 184,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 47.3159, 0.2895, 0.3057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 184, 202) }
```

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

```
.background{ background-color: rgb(172,  
184, 202) }
```

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