

Converting Colors

$Y_{xy}(47.0305, 0.2955, 0.2997)$

Have a look what the booklet for
Yxy(47.0305, 0.2955, 0.2997)
contains.

Yxy(47.2311, 0.2951, 0.2999)	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(47.2311, 0.2951, 0.2999)

Conversions

Conversions Part 1

Format	Color
Hex	B5B5CC
RGB	181, 181, 204
RGB Percent	71%, 71%, 80%
CMY	0.2902, 0.2902, 0.2001
CMYK	0.11, 0.11, 0.00, 0.20
HSL	240°, 18%, 75%
HSV	240°, 11%, 80%
XYZ	46.4752, 47.2311, 63.7832
YIQ	183.6220, -7.3830, 7.1530

Conversions

Conversions Part 2

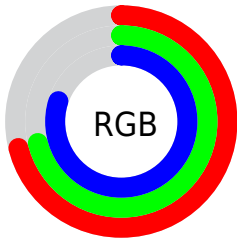
Format	Color
R_{YB}	181, 181, 204
Decimal	11908556
CIE _{Lab}	74.34, 4.53, -11.59
CIE _{LCh}	74, 12.443, 291.327
Yxy	47.2311, 0.2951, 0.2999
Android (android.graphics.Color)	4290098636 (0xFFB5B5CC)
YUV	183.6220, 10.0464, -2.2995
Hunter-Lab	68.7249, 0.4419, -6.9194

Details

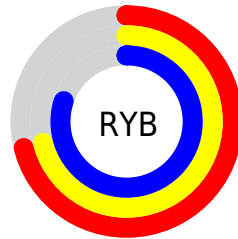
The Yxy color `47.2311, 0.2951, 0.2999` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `59.3393, 0.3294, 0.3565`, and the grayscale version is `47.6599, 0.3127, 0.3290`.

A 20% lighter version of the original color is `85.7929, 0.3018, 0.3110`, and `22.2295, 0.2899, 0.2912` is the 20% darker color. If you saturate the color by 10%, you get `37.2541, 0.2773, 0.2705`, and if you desaturate by 10%, it is `58.7854, 0.3109, 0.3259`.

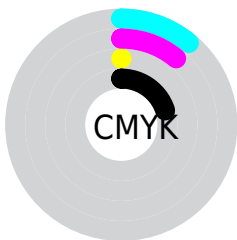
Distribution



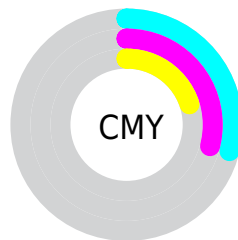
- Red (71%)
- Green (71%)
- Blue (80%)



- Red (71%)
- Yellow (71%)
- Blue (80%)



- Cyan (11%)
- Magenta (11%)
- Yellow (0%)
- Black (20%)



- Cyan (29%)
- Magenta (29%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.2311, 0.2951, 0.2999 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 47.2311, 0.2951, 0.2999 by changing the saturation by 10% instead.

■ 47.2311, 0.2951,
0.2999

■ 47.2311, 0.2951,
0.2999

375.7362, 0.3039,
0.3142

■ 33.2184, 0.2929,
0.2964

■ 86.0585, 0.2983,
0.3051

■ 22.2938, 0.2901,
0.2919

111.6419, 0.2995,
0.3070

■ 14.0729, 0.2863,
0.2861

141.8511, 0.3005,
0.3087

■ 8.1714, 0.2811,
0.2780

177.0703, 0.3014,
0.3101

■ 4.2048, 0.2734,
0.2663

217.6841, 0.3022,
0.3113

■ 1.7888, 0.2607,
0.2477

264.0767, 0.3028,

■ 0.4802, 0.2333,

0.3124

0.1977

316.6326, 0.3034,
0.3134

0.0000, 0.0000,
0.0000

47.2311, 0.2951,
0.2999

47.2311, 0.2951,
0.2999

37.2541, 0.2773,
0.2705

58.7854, 0.3109,
0.3259

28.7804, 0.2576,
0.2379

71.9749, 0.3246,
0.3486

21.7390, 0.2365,
0.2031

86.8620, 0.3364,
0.3682

16.0508, 0.2150,
0.1676

97.1389, 0.3430,
0.3790

11.6290, 0.1945,
0.1336

■ 8.3768, 0.1765,
0.1039

■ 6.1835, 0.1627,
0.0811

■ 4.9173, 0.1540,
0.0667

■ 4.3629, 0.1500,
0.0601

Harmonies

Analogous

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



47.2311, 0.2835, 0.3026



47.2311, 0.2951, 0.2999



47.2311, 0.3117, 0.3045

Triad

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



47.2311, 0.2951, 0.2999



47.2311, 0.3470, 0.3441



47.2311, 0.2963, 0.3433

Complementary

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



47.2311, 0.2951, 0.2999



59.3393, 0.3294, 0.3565

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.



47.2311, 0.3130, 0.3553



47.2311, 0.2951, 0.2999



47.2311, 0.3426, 0.3552

Square

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



47.2311, 0.2951, 0.2999



47.2311, 0.3420, 0.3295



47.2311, 0.3300, 0.3596



47.2311, 0.2842, 0.3274

Rectangle

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



47.2311, 0.2951, 0.2999



47.2311, 0.3234, 0.3111



47.2311, 0.3300, 0.3596



47.2311, 0.3016, 0.3479

Sweetspot

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



47.2331, 0.2951, 0.2999



93.7979, 0.3082, 0.3216



57.3413, 0.2958, 0.3294



19.7309, 0.3070, 0.3196



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.



47.2331, 0.2951, 0.2999



73.1634, 0.2901, 0.2917



48.6221, 0.3041, 0.3007



10.8456, 0.2982, 0.3051



2.7473, 0.1500, 0.0601



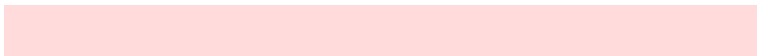
0.1423, 0.1501, 0.0603

Inverse Universe

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



49.2150, 0.3327, 0.3290



77.2117, 0.3387, 0.3290



57.8345, 0.3206, 0.3573



11.2138, 0.3290, 0.3290



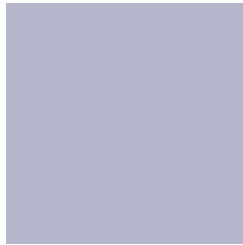
8.0803, 0.6400, 0.3299



0.4169, 0.6396, 0.3297

Previews

White Background



This preview shows how the Yxy color 47.2311, 0.2951, 0.2999 looks on a white background.

Color Contrast Check

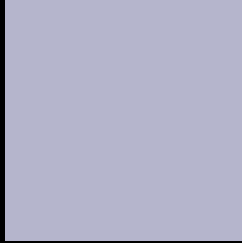
Large Text (above 18pt) WCAG AA × Fail

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 47.2311, 0.2951, 0.2999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

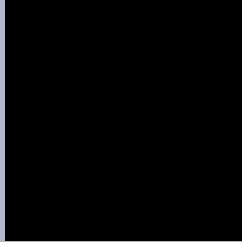
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

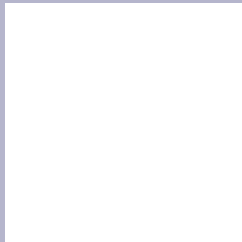
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.2311, 0.2951, 0.2999

Background



This preview shows how black text looks on a background with the Yxy color 47.2311, 0.2951, 0.2999.



This preview shows how white text looks on a background with the Yxy color 47.2311, 0.2951, 0.2999.

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

47.2311, 0.2951, 0.2999

Protanopia

47.1107, 0.2943, 0.2998

Deuteranopia

47.1957, 0.3017, 0.2955



Tritanopia

47.1904, 0.2995, 0.3098

Trichromacy



Original Color

47.2311, 0.2951, 0.2999

Protanomaly

47.1107, 0.2943, 0.2998

Deuteranomaly

47.2128, 0.2992, 0.2966

Tritanomaly

47.3293, 0.2973, 0.3060

Monochromacy



Original Color

47.2311, 0.2951, 0.2999

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.6958, 0.3065, 0.3187

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.2311, 0.2951, 0.2999 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(181, 181, 204)` looks like.

```
.text, #text, p{  
    color:rgb(181, 181, 204)  
}
```

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(181, 181, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 181, 204) }
```

Border

The CSS property to change the border of an element to Yxy 47.2311, 0.2951, 0.2999 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(181, 181, 204) }
```

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

```
.border{ border-color:rgb(181, 181, 204) }
```

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

Here you see how a box with a 4 pixel rgb(181, 181, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 181, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 181, 204);  
box-shadow:4px 4px 4px 4px rgb(181, 181,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 47.2311, 0.2951, 0.2999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 181, 204) }
```

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

```
.background{ background-color: rgb(181,  
181, 204) }
```

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