

# Converting Colors

$Y_{xy}(47.1987, 0.3015, 0.3235)$

Have a look what the booklet for  
Yxy(47.1987, 0.3015, 0.3235)  
contains.

<b>Yxy(47.0691, 0.3014, 0.3224)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(47.0691, 0.3014, 0.3224)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AFB8BD
RGB	175, 184, 189
RGB Percent	69%, 72%, 74%
CMY	0.3138, 0.2784, 0.2587
CMYK	0.07, 0.03, 0.00, 0.26
HSL	201°, 10%, 71%
HSV	201°, 7%, 74%
XYZ	44.0032, 47.0691, 54.9237
YIQ	181.8790, -6.9690, -0.3530

# Conversions

## Conversions Part 2

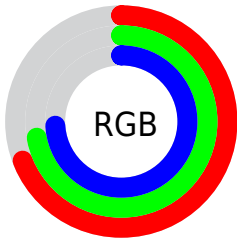
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	175, 180, 189
Decimal	11516093
CIE Lab	74.23, -2.14, -3.63
CIE LCh	74, 4.215, 239.484
Yxy	47.0691, 0.3014, 0.3224
Android (android.graphics.Color)	4289706173 (0xFFAFB8BD)
YUV	181.8790, 3.5107, -6.0329
Hunter-Lab	68.6069, -5.5756, 0.5599

# Details

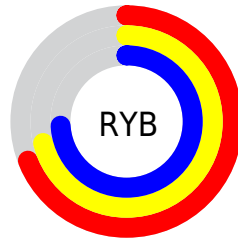
The Yxy color **47.0691, 0.3014, 0.3224** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.5568, 0.3246, 0.3355**, and the grayscale version is **46.6932, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9017, 0.3039, 0.3239**, and **22.2211, 0.2985, 0.3200** is the 20% darker color. If you saturate the color by 10%, you get **42.2968, 0.2860, 0.3127**, and if you desaturate by 10%, it is **52.2854, 0.3166, 0.3312**.

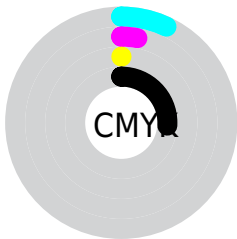
# Distribution



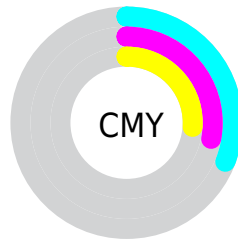
- Red (69%)
- Green (72%)
- Blue (74%)



- Red (69%)
- Yellow (71%)
- Blue (74%)



- Cyan (7%)
- Magenta (3%)
- Yellow (0%)
- Black (26%)



- Cyan (31%)
- Magenta (28%)
- Yellow (26%)
- Black (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.0691, 0.3014, 0.3224 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 47.0691, 0.3014, 0.3224 by changing the saturation by 10% instead.



■ 47.0691, 0.3014,  
0.3224

■ 47.0691, 0.3014,  
0.3224

375.0903, 0.3070,  
0.3257

■ 33.0903, 0.3000,  
0.3216

■ 85.8168, 0.3034,  
0.3236

■ 22.1956, 0.2982,  
0.3205

111.3544, 0.3042,  
0.3241

■ 14.0007, 0.2958,  
0.3191

141.5138, 0.3049,  
0.3244

■ 8.1212, 0.2925,  
0.3170

176.6792, 0.3054,  
0.3248

■ 4.1726, 0.2875,  
0.3140

217.2352, 0.3059,  
0.3251

■ 1.7706, 0.2794,  
0.3089

263.5661, 0.3063,

■ 0.4687, 0.2418,

0.3253

0.2882

316.0564, 0.3067,  
0.3255

0.0000, 0.0000,  
0.0000

47.0691, 0.3014,  
0.3224

47.0691, 0.3014,  
0.3224

42.2968, 0.2860,  
0.3127

52.2854, 0.3166,  
0.3312

37.9480, 0.2706,  
0.3020

57.9535, 0.3314,  
0.3390

34.0093, 0.2556,  
0.2905

64.0883, 0.3456,  
0.3459

30.4643, 0.2413,  
0.2781

70.7024, 0.3591,  
0.3521

27.2949, 0.2281,  
0.2651

74.9550, 0.3609,  
0.3586

■ 24.4816, 0.2163,  
0.2516

■ 78.5229, 0.3592,  
0.3652

■ 22.0025, 0.2063,  
0.2379

■ 82.2351, 0.3575,  
0.3718

■ 19.8321, 0.1984,  
0.2243

■ 86.0931, 0.3559,  
0.3783

■ 17.9347, 0.1924,  
0.2109

■ 90.0985, 0.3543,  
0.3846

# Harmonies

## Analogous

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



47.0691, 0.3022, 0.3271



47.0691, 0.3014, 0.3224



47.0691, 0.3036, 0.3195

# Triad

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



47.0691, 0.3014, 0.3224



47.0691, 0.3196, 0.3256



47.0691, 0.3172, 0.3391

# Complementary

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



47.0691, 0.3014, 0.3224



46.5568, 0.3246, 0.3355

# 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.



47.0691, 0.3219, 0.3386



47.0691, 0.3014, 0.3224



47.0691, 0.3233, 0.3307

# Square

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



47.0691, 0.3014, 0.3224



47.0691, 0.3141, 0.3214



47.0691, 0.3242, 0.3355



47.0691, 0.3113, 0.3369

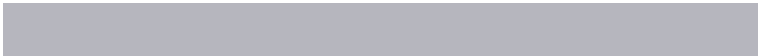


# Rectangle

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



47.0691, 0.3014, 0.3224



47.0691, 0.3065, 0.3190



47.0691, 0.3242, 0.3355



47.0691, 0.3190, 0.3392

# Sweetspot

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



47.0711, 0.3014, 0.3224



89.2208, 0.3096, 0.3272



48.8084, 0.3081, 0.3410



19.2076, 0.3098, 0.3273



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

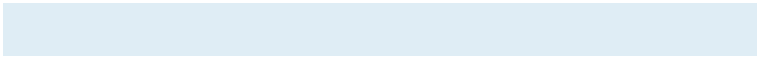


# Same Dimension

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



47.0711, 0.3014, 0.3224



82.7602, 0.2988, 0.3208



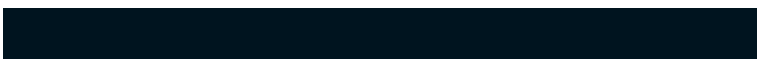
44.2646, 0.3014, 0.3132



10.2206, 0.2985, 0.3206



11.9034, 0.1914, 0.2091



0.5856, 0.2003, 0.2412



# Inverse Universe

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



44.9345, 0.3177, 0.3174



78.1384, 0.3189, 0.3147



49.4222, 0.3238, 0.3443



9.6368, 0.3191, 0.3144



8.2314, 0.4351, 0.2170

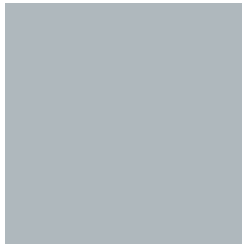


0.3345, 0.4011, 0.1983



# Previews

## White Background



This preview shows how the Yxy color 47.0691, 0.3014, 0.3224 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

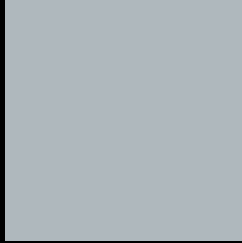
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.0691, 0.3014, 0.3224 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

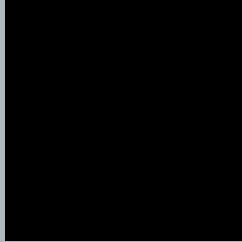
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

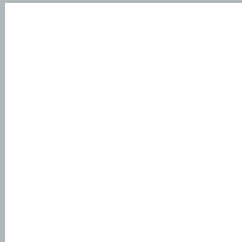
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 47.0691, 0.3014, 0.3224**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.0691, 0.3014, 0.3224.



This preview shows how white text looks on a background with the Yxy color 47.0691, 0.3014, 0.3224.

# 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

47.0691, 0.3014, 0.3224

### Protanopia

46.8260, 0.3105, 0.3213

### Deuteranopia

46.8977, 0.3187, 0.3128



## Tritanopia

47.1283, 0.2963, 0.3109

# Trichromacy



## Original Color

47.0691, 0.3014, 0.3224

## Protanomaly

46.9105, 0.3072, 0.3212

## Deuteranomaly

47.0516, 0.3116, 0.3163

## Tritanomaly

46.9921, 0.2985, 0.3147

# Monochromacy



## Original Color

47.0691, 0.3014, 0.3224

## Achromatopsia

46.7784, 0.3127, 0.3290

## Achromatomaly

46.9535, 0.3078, 0.3264

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.0691, 0.3014, 0.3224 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(175, 184, 189)` looks like.

```
.text, #text, p{  
    color:rgb(175, 184, 189)  
}
```

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(175, 184, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 184, 189) }
```

## Border

The CSS property to change the border of an element to Yxy 47.0691, 0.3014, 0.3224 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(175, 184, 189) }
```

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

```
.border{ border-color:rgb(175, 184, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 184, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 184, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 184, 189);  
box-shadow:4px 4px 4px 4px rgb(175, 184,  
189) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.0691, 0.3014, 0.3224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 184, 189) }
```

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

```
.background{ background-color: rgb(175,  
184, 189) }
```

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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