

Converting Colors

$Y_{xy}(47.0221, 0.3082, 0.3258)$

Have a look what the booklet for
Yxy(47.0221, 0.3082, 0.3258)
contains.

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Color

Yxy(47.0731, 0.3086, 0.3264)

Conversions

Conversions Part 1

Format	Color
Hex	B4B7B9
RGB	180, 183, 185
RGB Percent	71%, 72%, 73%
CMY	0.2943, 0.2823, 0.2745
CMYK	0.03, 0.01, 0.00, 0.27
HSL	204°, 3%, 72%
HSV	204°, 3%, 73%
XYZ	44.5060, 47.0731, 52.6400
YIQ	182.3310, -2.4300, -0.0140

Conversions

Conversions Part 2

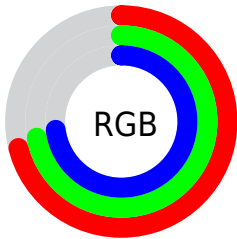
Format	Color
R _Y B	180, 182, 185
Decimal	11843513
CIE Lab	74.24, -0.68, -1.39
CIE LCh	74, 1.548, 243.793
Yxy	47.0731, 0.3086, 0.3264
Android (android.graphics.Color)	4290033593 (0xFFB4B7B9)
YUV	182.3310, 1.3158, -2.0443
Hunter-Lab	68.6098, -4.2774, 2.5374

Details

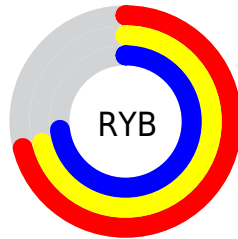
The Yxy color **47.0731, 0.3086, 0.3264** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.0427, 0.3169, 0.3316**, and the grayscale version is **46.9607, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9167, 0.3095, 0.3270**, and **22.1432, 0.3071, 0.3254** is the 20% darker color. If you saturate the color by 10%, you get **42.0714, 0.2933, 0.3162**, and if you desaturate by 10%, it is **52.5309, 0.3235, 0.3356**.

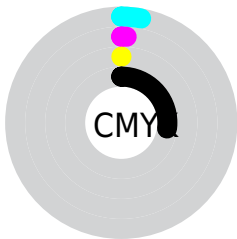
Distribution



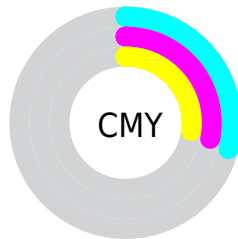
- Red (71%)
- Green (72%)
- Blue (73%)



- Red (71%)
- Yellow (71%)
- Blue (73%)



- Cyan (3%)
- Magenta (1%)
- Yellow (0%)
- Black (27%)



- Cyan (29%)
- Magenta (28%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.0731, 0.3086, 0.3264 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 47.0731, 0.3086, 0.3264 by changing the saturation by 10% instead.

■ 47.0731, 0.3086,
0.3264

■ 47.0731, 0.3086,
0.3264

375.1062, 0.3107,
0.3277

■ 33.0934, 0.3081,
0.3261

■ 85.8227, 0.3093,
0.3269

■ 22.1980, 0.3074,
0.3257

111.3615, 0.3096,
0.3271

■ 14.0025, 0.3066,
0.3251

141.5221, 0.3099,
0.3272

■ 8.1224, 0.3053,
0.3243

176.6889, 0.3101,
0.3273

■ 4.1734, 0.3035,
0.3231

217.2463, 0.3102,
0.3274

■ 1.7710, 0.3005,
0.3212

263.5788, 0.3104,

■ 0.4690, 0.2849,

0.3275

0.3114

316.0706, 0.3105,
0.3276

0.0000, 0.0000,
0.0000

47.0731, 0.3086,
0.3264

47.0731, 0.3086,
0.3264

42.0714, 0.2933,
0.3162

52.5309, 0.3235,
0.3356

37.5058, 0.2777,
0.3049

58.4521, 0.3379,
0.3437

33.3636, 0.2623,
0.2926

64.8514, 0.3516,
0.3509

29.6288, 0.2472,
0.2793

71.7409, 0.3645,
0.3572

26.2846, 0.2330,
0.2651

75.6685, 0.3634,
0.3644

■ 23.3126, 0.2200,
0.2504

■ 79.5665, 0.3614,
0.3716

■ 20.6922, 0.2086,
0.2352

■ 83.6333, 0.3595,
0.3786

■ 18.4005, 0.1991,
0.2200

■ 87.8708, 0.3577,
0.3854

■ 16.4102, 0.1917,
0.2051

■ 92.2812, 0.3559,
0.3921

Harmonies

Analogous

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



47.0731, 0.3087, 0.3281



47.0731, 0.3086, 0.3264



47.0731, 0.3096, 0.3254

Triad

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



47.0731, 0.3086, 0.3264



47.0731, 0.3155, 0.3280



47.0731, 0.3141, 0.3326

Complementary

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



47.0731, 0.3086, 0.3264



47.0427, 0.3169, 0.3316

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.



47.0731, 0.3159, 0.3326



47.0731, 0.3086, 0.3264



47.0731, 0.3167, 0.3299

Square

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



47.0731, 0.3086, 0.3264



47.0731, 0.3135, 0.3264



47.0731, 0.3169, 0.3316



47.0731, 0.3119, 0.3317

Rectangle

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



47.0731, 0.3086, 0.3264



47.0731, 0.3107, 0.3253



47.0731, 0.3169, 0.3316



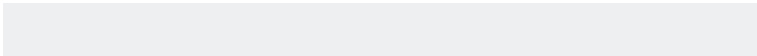
47.0731, 0.3147, 0.3328

Sweetspot

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



47.0751, 0.3086, 0.3264



85.9201, 0.3112, 0.3280



47.7706, 0.3109, 0.3330



18.5335, 0.3113, 0.3281



93.3107, 0.3127, 0.3290



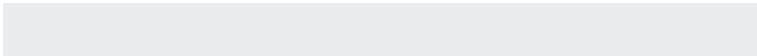
18.7317, 0.3127, 0.3290

Same Dimension

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



47.0751, 0.3086, 0.3264



84.0057, 0.3081, 0.3261



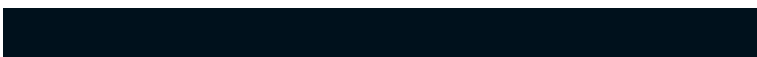
46.0662, 0.3087, 0.3232



10.2222, 0.3071, 0.3254



10.4366, 0.1879, 0.1963



0.4849, 0.1984, 0.2343

Inverse Universe

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



46.3610, 0.3146, 0.3251



82.5796, 0.3148, 0.3246



48.0617, 0.3167, 0.3348



10.0097, 0.3153, 0.3236



7.8359, 0.4495, 0.2250



0.2880, 0.4081, 0.2022

Previews

White Background



This preview shows how the Yxy color 47.0731, 0.3086, 0.3264 looks on a white background.

Color Contrast Check

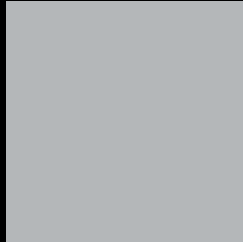
Large Text (above 18pt) WCAG AA × Fail

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 47.0731, 0.3086, 0.3264 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

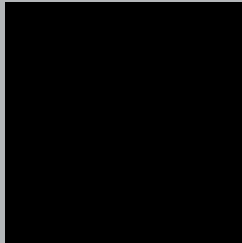
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

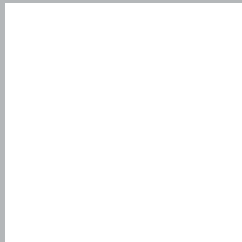
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.0731, 0.3086, 0.3264

Background



This preview shows how black text looks on a background with the Yxy color 47.0731, 0.3086, 0.3264.

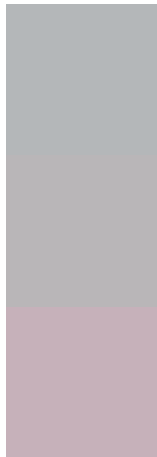


This preview shows how white text looks on a background with the Yxy color 47.0731, 0.3086, 0.3264.

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

47.0731, 0.3086, 0.3264

Protanopia

47.2309, 0.3137, 0.3264

Deuteranopia

46.9952, 0.3238, 0.3178



Tritanopia

46.9784, 0.3019, 0.3098

Trichromacy



Original Color

47.0731, 0.3086, 0.3264

Protanomaly

46.9839, 0.3120, 0.3264

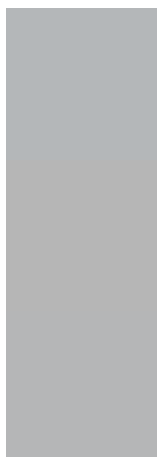
Deuteranomaly

46.8617, 0.3175, 0.3201

Tritanomaly

47.0854, 0.3041, 0.3161

Monochromacy



Original Color

47.0731, 0.3086, 0.3264

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.6986, 0.3111, 0.3277

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0731, 0.3086, 0.3264 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(180, 183, 185)` looks like.

```
.text, #text, p{  
    color:rgb(180, 183, 185)  
}
```

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(180, 183, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 183, 185) }
```

Border

The CSS property to change the border of an element to Yxy 47.0731, 0.3086, 0.3264 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(180, 183, 185) }
```

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

```
.border{ border-color:rgb(180, 183, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 183, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 183, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 183, 185);  
box-shadow:4px 4px 4px 4px rgb(180, 183,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0731, 0.3086, 0.3264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 183, 185) }
```

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

```
.background{ background-color: rgb(180,  
183, 185) }
```

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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