

Converting Colors

$Y_{xy}(47.0020, 0.2966, 0.3252)$

Have a look what the booklet for
Yxy(47.0020, 0.2966, 0.3252)
contains.

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Color

Yxy(47.0735, 0.2966, 0.3263)

Conversions

Conversions Part 1

Format	Color
Hex	A8BABC
RGB	168, 186, 188
RGB Percent	66%, 73%, 74%
CMY	0.3410, 0.2706, 0.2628
CMYK	0.11, 0.01, 0.00, 0.26
HSL	186°, 13%, 70%
HSV	186°, 11%, 74%
XYZ	42.7888, 47.0735, 54.4021
YIQ	180.8460, -11.3700, -3.1940

Conversions

Conversions Part 2

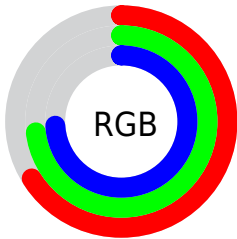
Format	Color
R _Y B	168, 177, 188
Decimal	11057852
CIE Lab	74.24, -5.74, -3.12
CIE LCh	74, 6.537, 208.519
Yxy	47.0735, 0.2966, 0.3263
Android (android.graphics.Color)	4289247932 (0xFFA8BABC)
YUV	180.8460, 3.5269, -11.2659
Hunter-Lab	68.6101, -8.7458, 1.0150

Details

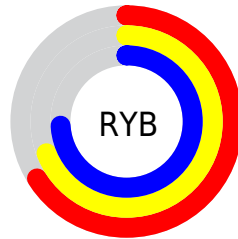
The Yxy color $47.0735, 0.2966, 0.3263$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $42.2792, 0.3310, 0.3317$, and the grayscale version is $46.1096, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.7239, 0.2994, 0.3269$, and $22.2373, 0.2920, 0.3253$ is the 20% darker color. If you saturate the color by 10%, you get $44.3721, 0.2820, 0.3235$, and if you desaturate by 10%, it is $50.0876, 0.3118, 0.3289$.

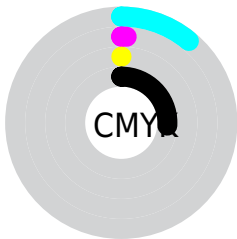
Distribution



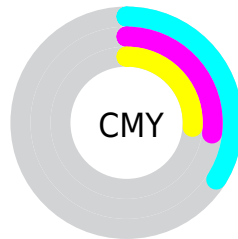
- Red (66%)
- Green (73%)
- Blue (74%)



- Red (66%)
- Yellow (69%)
- Blue (74%)



- Cyan (11%)
- Magenta (1%)
- Yellow (0%)
- Black (26%)



- Cyan (34%)
- Magenta (27%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.0735, 0.2966, 0.3263 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 47.0735, 0.2966, 0.3263 by changing the saturation by 10% instead.

■ 47.0735, 0.2966,
0.3263

■ 47.0735, 0.2966,
0.3263

■ 375.1078, 0.3046,
0.3277

■ 33.0938, 0.2946,
0.3259

■ 85.8233, 0.2995,
0.3268

■ 22.1983, 0.2921,
0.3255

■ 111.3622, 0.3006,
0.3270

■ 14.0027, 0.2887,
0.3248

■ 141.5229, 0.3015,
0.3272

■ 8.1225, 0.2840,
0.3239

■ 176.6899, 0.3023,
0.3273

■ 4.1734, 0.2770,
0.3224

■ 217.2474, 0.3030,
0.3274

■ 1.7711, 0.2655,
0.3198

■ 263.5800, 0.3036,

■ 0.4690, 0.2032,

0.3275

0.3120

316.0720, 0.3041,
0.3276

0.0000, 0.0000,
0.0000

47.0735, 0.2966,
0.3263

47.0735, 0.2966,
0.3263

44.3721, 0.2820,
0.3235

50.0876, 0.3118,
0.3289

41.9646, 0.2683,
0.3206

53.4205, 0.3272,
0.3312

39.8393, 0.2558,
0.3174

57.0855, 0.3428,
0.3332

37.9815, 0.2447,
0.3141

61.0933, 0.3582,
0.3351

36.3749, 0.2353,
0.3107

64.0964, 0.3675,
0.3369

■ 35.0015, 0.2277,
0.3073

■ 64.9460, 0.3670,
0.3388

■ 33.8407, 0.2221,
0.3038

■ 65.8062, 0.3665,
0.3407

■ 32.8680, 0.2182,
0.3004

■ 66.6771, 0.3660,
0.3427

■ 32.0813, 0.2159,
0.2973

■ 67.5587, 0.3655,
0.3446

Harmonies

Analogous

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



47.0735, 0.3023, 0.3346



47.0735, 0.2966, 0.3263



47.0735, 0.2952, 0.3189

Triad

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



47.0735, 0.2966, 0.3263



47.0735, 0.3145, 0.3171



47.0735, 0.3272, 0.3438

Complementary

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



47.0735, 0.2966, 0.3263



42.2792, 0.3310, 0.3317

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.



47.0735, 0.3306, 0.3388



47.0735, 0.2966, 0.3263



47.0735, 0.3232, 0.3235

Square

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



47.0735, 0.2966, 0.3263



47.0735, 0.3054, 0.3137



47.0735, 0.3291, 0.3314



47.0735, 0.3199, 0.3448

Rectangle

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



47.0735, 0.2966, 0.3263



47.0735, 0.2968, 0.3155



47.0735, 0.3291, 0.3314



47.0735, 0.3288, 0.3425

Sweetspot

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



47.0755, 0.2966, 0.3263



89.4045, 0.3080, 0.3283



47.1822, 0.3102, 0.3538



19.1291, 0.3068, 0.3281



95.5105, 0.3127, 0.3290



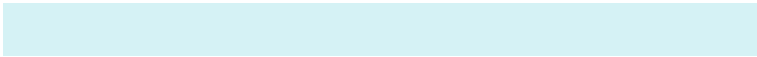
19.5994, 0.3127, 0.3290

Same Dimension

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



47.0755, 0.2966, 0.3263



84.0007, 0.2927, 0.3256



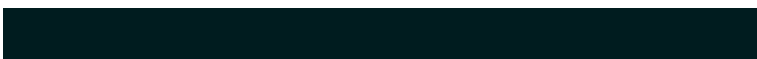
43.1472, 0.2964, 0.3133



10.6421, 0.2985, 0.3266



21.9067, 0.2160, 0.2977



0.9058, 0.2183, 0.3058

Inverse Universe

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



42.2534, 0.3156, 0.3058



73.3409, 0.3164, 0.3000



46.0306, 0.3295, 0.3442



9.6794, 0.3152, 0.3086



9.2412, 0.3475, 0.1688



0.3668, 0.3403, 0.1649

Previews

White Background



This preview shows how the Yxy color 47.0735, 0.2966, 0.3263 looks on a white background.

Color Contrast Check

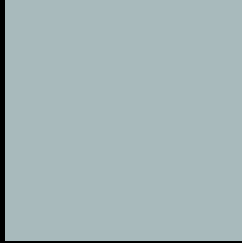
Large Text (above 18pt) WCAG AA × Fail

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 47.0735, 0.2966, 0.3263 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

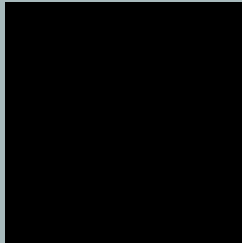
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

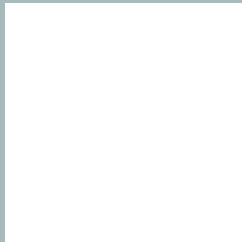
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.0735, 0.2966, 0.3263

Background



This preview shows how black text looks on a background with the Yxy color 47.0735, 0.2966, 0.3263.

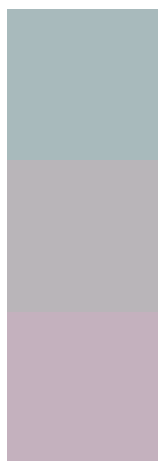


This preview shows how white text looks on a background with the Yxy color 47.0735, 0.2966, 0.3263.

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

47.0735, 0.2966, 0.3263

Protanopia

46.8648, 0.3130, 0.3239

Deuteranopia

46.8977, 0.3187, 0.3128



Tritanopia

46.9505, 0.2901, 0.3094

Trichromacy



Original Color

47.0735, 0.2966, 0.3263

Protanomaly

46.9958, 0.3070, 0.3251

Deuteranomaly

46.7557, 0.3107, 0.3175

Tritanomaly

47.0731, 0.2923, 0.3158

Monochromacy



Original Color

47.0735, 0.2966, 0.3263

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.5578, 0.3061, 0.3277

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0735, 0.2966, 0.3263 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(168, 186, 188)` looks like.

```
.text, #text, p{  
    color:rgb(168, 186, 188)  
}
```

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(168, 186, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 186, 188) }
```

Border

The CSS property to change the border of an element to Yxy 47.0735, 0.2966, 0.3263 is called "border". The border property can be set on classes, ids or directly on the HTML element.

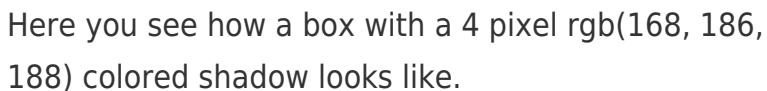
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(168, 186, 188) }
```

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

```
.border{ border-color:rgb(168, 186, 188) }
```

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



Here you see how a box with a 4 pixel `rgb(168, 186, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 186, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 186, 188); box-shadow:4px 4px 4px 4px rgb(168, 186, 188) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0735, 0.2966, 0.3263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 186, 188) }
```

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

```
.background{ background-color: rgb(168,  
186, 188) }
```

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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