

Converting Colors

$Y_{xy}(47.8155, 0.2850, 0.3324)$

Have a look what the booklet for
Yxy(47.8155, 0.2850, 0.3324)
contains.

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Color

Yxy(47.7080, 0.2847, 0.3316)

Conversions

Conversions Part 1

Format	Color
Hex	99BFBD
RGB	153, 191, 189
RGB Percent	60%, 75%, 74%
CMY	0.3998, 0.2510, 0.2587
CMYK	0.20, 0.00, 0.01, 0.25
HSL	177°, 23%, 67%
HSV	177°, 20%, 75%
XYZ	40.9604, 47.7080, 55.2037
YIQ	179.4100, -22.0060, -8.6780

Conversions

Conversions Part 2

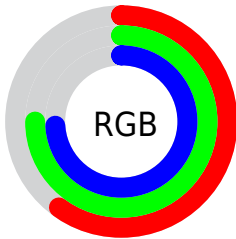
Format	Color
RYB	153, 173, 191
Decimal	10076093
CIELab	74.64, -13.02, -3.20
CIELCh	75, 13.409, 193.811
Yxy	47.7080, 0.2847, 0.3316
Android (android.graphics.Color)	4288266173 (0xFF99BFBD)
YUV	179.4100, 4.7279, -23.1616
Hunter-Lab	69.0710, -15.0203, 0.9632

Details

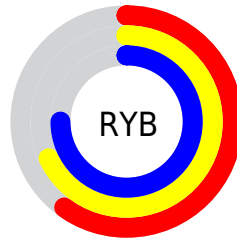
The Yxy color **47.7080, 0.2847, 0.3316** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.2395, 0.3495, 0.3265**, and the grayscale version is **45.2981, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5240, 0.2898, 0.3310**, and **22.7212, 0.2767, 0.3327** is the 20% darker color. If you saturate the color by 10%, you get **45.9542, 0.2720, 0.3331**, and if you desaturate by 10%, it is **49.7636, 0.2984, 0.3302**.

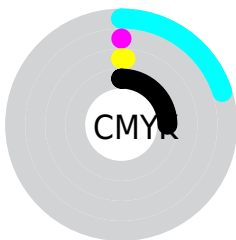
Distribution



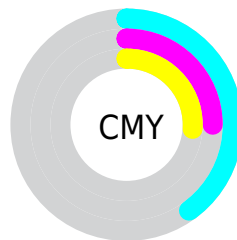
- Red (60%)
- Green (75%)
- Blue (74%)



- Red (60%)
- Yellow (68%)
- Blue (75%)



- Cyan (20%)
- Magenta (0%)
- Yellow (1%)
- Black (25%)





- Cyan (40%)
- Magenta (25%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.7080, 0.2847, 0.3316 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 47.7080, 0.2847, 0.3316 by changing the saturation by 10% instead.


 47.7080, 0.2847,
0.3316

 47.7080, 0.2847,
0.3316


377.6335, 0.2986,
0.3304

 33.5957, 0.2813,
0.3319


 86.7695, 0.2897,
0.3312

 22.5832, 0.2769,
0.3322

 112.4875, 0.2916,
0.3310

 14.2860, 0.2711,
0.3325


142.8428, 0.2932,
0.3309

 8.3199, 0.2631,
0.3330

178.2199, 0.2946,
0.3308

 4.3003, 0.2514,
0.3335

219.0031, 0.2958,
0.3307

 1.8429, 0.2324,
0.3339

265.5768, 0.2968,

 0.5137, 0.1161,

0.3306

0.3501

318.3255, 0.2977,
0.3305

0.0000, 0.0000,
0.0000

47.7080, 0.2847,
0.3316

47.7080, 0.2847,
0.3316

45.9542, 0.2720,
0.3331

49.7636, 0.2984,
0.3302

44.4820, 0.2607,
0.3346

52.1281, 0.3129,
0.3290

43.2783, 0.2509,
0.3363

54.8160, 0.3279,
0.3279

42.3262, 0.2429,
0.3380

57.8390, 0.3431,
0.3268

41.6073, 0.2368,
0.3397

61.2082, 0.3582,
0.3260

■ 41.1004, 0.2326,
0.3414

■ 62.4576, 0.3628,
0.3250

■ 40.7805, 0.2302,
0.3431

■ 62.5027, 0.3620,
0.3240

■ 40.5991, 0.2291,
0.3448

■ 62.5481, 0.3611,
0.3229

■ 40.5970, 0.2291,
0.3448

■ 62.5938, 0.3603,
0.3219

Harmonies

Analogous

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



47.7080, 0.2993, 0.3482



47.7080, 0.2847, 0.3316



47.7080, 0.2776, 0.3148

Triad

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



47.7080, 0.2847, 0.3316



47.7080, 0.3068, 0.3009



47.7080, 0.3469, 0.3547

Complementary

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



47.7080, 0.2847, 0.3316



36.2395, 0.3495, 0.3265

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.



47.7080, 0.3492, 0.3414



47.7080, 0.2847, 0.3316



47.7080, 0.3257, 0.3109

Square

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



47.7080, 0.2847, 0.3316



47.7080, 0.2900, 0.2978



47.7080, 0.3414, 0.3255



47.7080, 0.3352, 0.3615

Rectangle

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



47.7080, 0.2847, 0.3316



47.7080, 0.2778, 0.3060



47.7080, 0.3414, 0.3255



47.7080, 0.3488, 0.3508

Sweetspot

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



47.7100, 0.2847, 0.3316



90.6663, 0.3038, 0.3298



46.5853, 0.3122, 0.3827



19.8493, 0.3029, 0.3298



97.7402, 0.3127, 0.3290



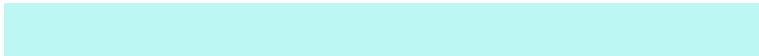
20.4902, 0.3127, 0.3290

Same Dimension

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



47.7100, 0.2847, 0.3316



83.9730, 0.2788, 0.3323



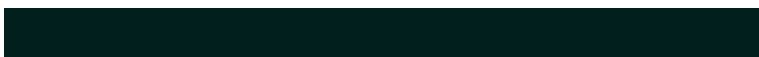
41.0223, 0.2820, 0.3061



10.8007, 0.2992, 0.3302



26.6859, 0.2291, 0.3446



1.0480, 0.2279, 0.3405

Inverse Universe

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



36.2395, 0.3495, 0.3265



59.5632, 0.3604, 0.3258



41.9349, 0.3474, 0.3509



9.5442, 0.3280, 0.3278



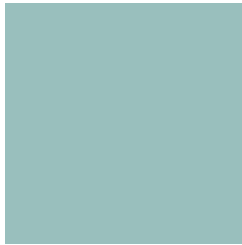
7.2973, 0.6335, 0.3263



0.2886, 0.6092, 0.3130

Previews

White Background



This preview shows how the Yxy color 47.7080, 0.2847, 0.3316 looks on a white background.

Color Contrast Check

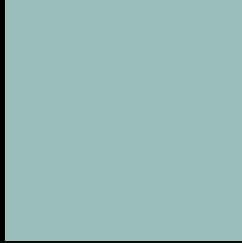
Large Text (above 18pt) WCAG AA × Fail

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 47.7080, 0.2847, 0.3316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

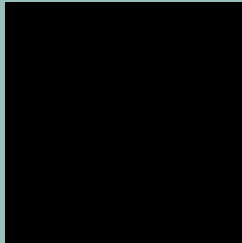
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

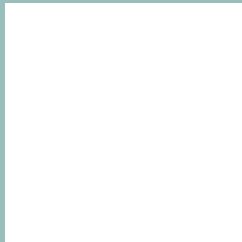
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.7080, 0.2847, 0.3316

Background



This preview shows how black text looks on a background with the Yxy color 47.7080, 0.2847, 0.3316.

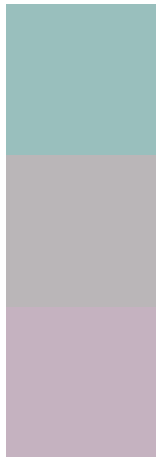


This preview shows how white text looks on a background with the Yxy color 47.7080, 0.2847, 0.3316.

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

47.7080, 0.2847, 0.3316

Protanopia

47.3557, 0.3145, 0.3264

Deuteranopia

47.5169, 0.3178, 0.3117



Tritanopia

47.8227, 0.2767, 0.3091

Trichromacy



Original Color

47.7080, 0.2847, 0.3316

Protanomaly

47.2418, 0.3029, 0.3277

Deuteranomaly

47.4523, 0.3049, 0.3187

Tritanomaly

47.9190, 0.2793, 0.3169

Monochromacy



Original Color

47.7080, 0.2847, 0.3316

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.8319, 0.3019, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7080, 0.2847, 0.3316 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(153, 191, 189)` looks like.

```
.text, #text, p{  
    color:rgb(153, 191, 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(153, 191, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 191, 189) }
```

Border

The CSS property to change the border of an element to Yxy 47.7080, 0.2847, 0.3316 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(153, 191, 189) }
```

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

```
.border{ border-color:rgb(153, 191, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 191, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 191, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 191, 189);  
box-shadow:4px 4px 4px 4px rgb(153, 191,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7080, 0.2847, 0.3316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 191, 189) }
```

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

```
.background{ background-color: rgb(153,  
191, 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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