

Converting Colors

$Y_{xy}(47.3229, 0.2841, 0.3182)$

Have a look what the booklet for
Yxy(47.3229, 0.2841, 0.3182)
contains.

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Color

Yxy(47.3229, 0.2841, 0.3182)

Conversions

Conversions Part 1

Format	Color
Hex	9FBCC4
RGB	159, 188, 196
RGB Percent	62%, 74%, 77%
CMY	0.3763, 0.2628, 0.2313
CMYK	0.19, 0.04, 0.00, 0.23
HSL	193°, 24%, 70%
HSV	193°, 19%, 77%
XYZ	42.2515, 47.3229, 59.1462
YIQ	180.2410, -19.8520, -3.6600

Conversions

Conversions Part 2

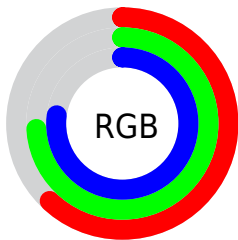
Format	Color
R _Y B	159, 175, 196
Decimal	10468548
CIE Lab	74.40, -8.04, -7.33
CIE LCh	74, 10.882, 222.362
Yxy	47.3229, 0.2841, 0.3182
Android (android.graphics.Color)	4288658628 (0xFF9FBCC4)
YUV	180.2410, 7.7692, -18.6284
Hunter-Lab	68.7916, -10.7515, -2.8226

Details

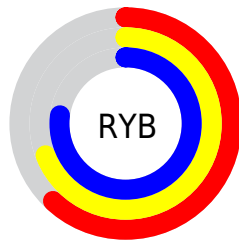
The Yxy color **47.3229, 0.2841, 0.3182** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.9034, 0.3473, 0.3395**, and the grayscale version is **45.7478, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0894, 0.2889, 0.3196**, and **22.4067, 0.2766, 0.3160** is the 20% darker color. If you saturate the color by 10%, you get **43.6853, 0.2695, 0.3117**, and if you desaturate by 10%, it is **51.3358, 0.2992, 0.3242**.

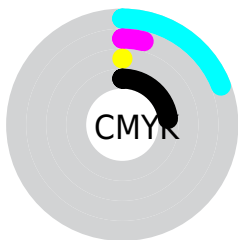
Distribution



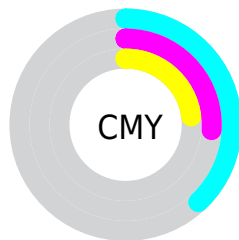
- Red (62%)
- Green (74%)
- Blue (77%)



- Red (62%)
- Yellow (69%)
- Blue (77%)



- Cyan (19%)
- Magenta (4%)
- Yellow (0%)
- Black (23%)





- Cyan (38%)
- Magenta (26%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.3229, 0.2841, 0.3182 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 47.3229, 0.2841, 0.3182 by changing the saturation by 10% instead.

 47.3229, 0.2841,
0.3182


 47.3229, 0.2841,
0.3182


376.1019, 0.2983,
0.3237

 33.2910, 0.2806,
0.3168


 86.1954, 0.2892,
0.3202

 22.3495, 0.2762,
0.3149


 111.8048, 0.2911,
0.3210

 14.1139, 0.2703,
0.3125


142.0421, 0.2928,
0.3216

 8.1999, 0.2622,
0.3089

177.2918, 0.2942,
0.3222

 4.2231, 0.2503,
0.3035

217.9383, 0.2954,
0.3226

 1.7992, 0.2313,
0.2942

264.3658, 0.2965,

 0.4866, 0.1481,

0.3231

0.2707

316.9589, 0.2974,
0.3234

0.0000, 0.0000,
0.0000

47.3229, 0.2841,
0.3182

47.3229, 0.2841,
0.3182

43.6853, 0.2695,
0.3117

51.3358, 0.2992,
0.3242

40.4018, 0.2558,
0.3048

55.7326, 0.3144,
0.3296

37.4577, 0.2432,
0.2974

60.5289, 0.3297,
0.3345

34.8350, 0.2320,
0.2898

65.7374, 0.3447,
0.3388

32.5135, 0.2225,
0.2819

70.9807, 0.3577,
0.3428

■ 30.4706, 0.2149,
0.2739

■ 73.1004, 0.3567,
0.3471

■ 28.6796, 0.2092,
0.2660

■ 75.2763, 0.3558,
0.3513

■ 27.0963, 0.2052,
0.2581

■ 77.5089, 0.3548,
0.3556

■ 26.9240, 0.2048,
0.2572

■ 79.7985, 0.3539,
0.3598

Harmonies

Analogous

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



47.3229, 0.2903, 0.3319



47.3229, 0.2841, 0.3182



47.3229, 0.2853, 0.3079

Triad

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



47.3229, 0.2841, 0.3182



47.3229, 0.3226, 0.3137



47.3229, 0.3317, 0.3553

Complementary

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



47.3229, 0.2841, 0.3182



41.9034, 0.3473, 0.3395

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.



47.3229, 0.3408, 0.3496



47.3229, 0.2841, 0.3182



47.3229, 0.3355, 0.3256

Square

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



47.3229, 0.2841, 0.3182



47.3229, 0.3073, 0.3057



47.3229, 0.3422, 0.3387



47.3229, 0.3176, 0.3538

Rectangle

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



47.3229, 0.2841, 0.3182



47.3229, 0.2902, 0.3043



47.3229, 0.3422, 0.3387



47.3229, 0.3354, 0.3541

Sweetspot

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



47.3248, 0.2841, 0.3182



95.1120, 0.3034, 0.3257



49.6571, 0.3046, 0.3687



20.2474, 0.3024, 0.3254



0.0000, 0.0000, 0.0000



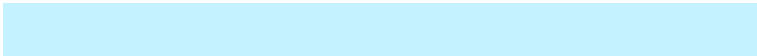
21.4041, 0.3127, 0.3290

Same Dimension

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



47.3248, 0.2841, 0.3182



82.6668, 0.2775, 0.3154



39.9278, 0.2827, 0.2927



11.0454, 0.2984, 0.3239



17.4254, 0.2051, 0.2583



0.8474, 0.2100, 0.2759

Inverse Universe

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



40.1766, 0.3220, 0.2924



67.3249, 0.3246, 0.2834



49.1692, 0.3431, 0.3628



10.2089, 0.3170, 0.3112



9.0413, 0.3840, 0.1889



0.4002, 0.3673, 0.1797

Previews

White Background



This preview shows how the Yxy color 47.3229, 0.2841, 0.3182 looks on a white background.

Color Contrast Check

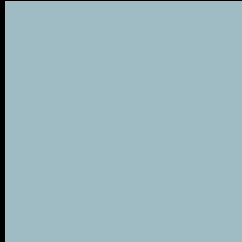
Large Text (above 18pt) WCAG AA × Fail

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 47.3229, 0.2841, 0.3182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

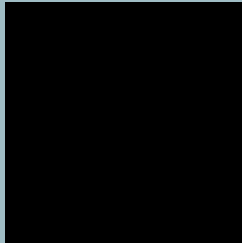
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.3229, 0.2841, 0.3182

Background



This preview shows how black text looks on a background with the Yxy color 47.3229, 0.2841, 0.3182.



This preview shows how white text looks on a background with the Yxy color 47.3229, 0.2841, 0.3182.

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

47.3229, 0.2841, 0.3182

Protanopia

47.3289, 0.3058, 0.3162

Deuteranopia

46.8590, 0.3097, 0.3029



Tritanopia

47.2785, 0.2807, 0.3091

Trichromacy



Original Color

47.3229, 0.2841, 0.3182

Protanomaly

47.1299, 0.2976, 0.3172

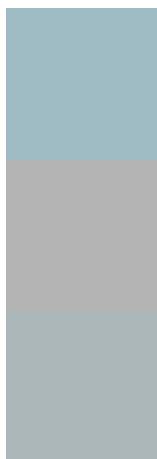
Deuteranomaly

46.9027, 0.3003, 0.3085

Tritanomaly

47.1844, 0.2820, 0.3117

Monochromacy



Original Color

47.3229, 0.2841, 0.3182

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

46.1828, 0.3013, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.3229, 0.2841, 0.3182 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(159, 188, 196)` looks like.

```
.text, #text, p{  
    color:rgb(159, 188, 196)  
}
```

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(159, 188, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 188, 196) }
```

Border

The CSS property to change the border of an element to Yxy 47.3229, 0.2841, 0.3182 is called "border". The border property can be set on classes, ids or directly on the HTML element.

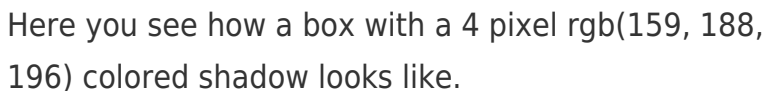
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(159, 188, 196) }
```

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

```
.border{ border-color:rgb(159, 188, 196) }
```

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



Here you see how a box with a 4 pixel `rgb(159, 188, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 188, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 188, 196); box-shadow:4px 4px 4px 4px rgb(159, 188, 196) }
```


Background

The CSS property to change the background color of an element to Yxy 47.3229, 0.2841, 0.3182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 188, 196) }
```

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

```
.background{ background-color: rgb(159,  
188, 196) }
```

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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