

Converting Colors

$Yxy(47.1688, 0.2887, 0.3197)$

Have a look what the booklet for
Yxy(47.1688, 0.2887, 0.3197)
contains.

Yxy(47.2222, 0.2884, 0.3196)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.2222, 0.2884, 0.3196)

Conversions

Conversions Part 1

Format	Color
Hex	A3BBC2
RGB	163, 187, 194
RGB Percent	64%, 73%, 76%
CMY	0.3608, 0.2666, 0.2391
CMYK	0.16, 0.04, 0.00, 0.24
HSL	194°, 20%, 70%
HSV	194°, 16%, 76%
XYZ	42.6123, 47.2222, 57.9196
YIQ	180.6220, -16.5510, -2.9110

Conversions

Conversions Part 2

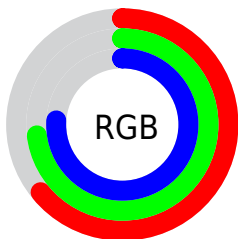
Format	Color
R _Y B	163, 177, 194
Decimal	10730434
CIE Lab	74.33, -6.68, -6.31
CIE LCh	74, 9.188, 223.350
Yxy	47.2222, 0.2884, 0.3196
Android (android.graphics.Color)	4288920514 (0xFFA3BBC2)
YUV	180.6220, 6.5954, -15.4545
Hunter-Lab	68.7184, -9.5694, -1.8699

Details

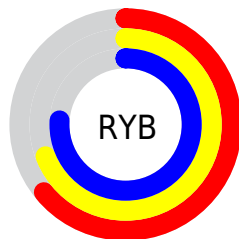
The Yxy color **47.2222, 0.2884, 0.3196** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.8684, 0.3411, 0.3382**, and the grayscale version is **45.9649, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9087, 0.2929, 0.3217**, and **22.3232, 0.2822, 0.3179** is the 20% darker color. If you saturate the color by 10%, you get **43.4977, 0.2736, 0.3130**, and if you desaturate by 10%, it is **51.3217, 0.3036, 0.3256**.

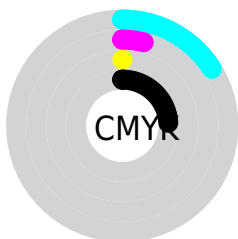
Distribution



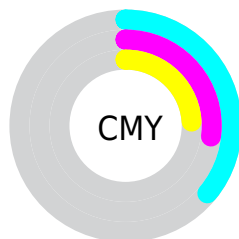
- Red (64%)
- Green (73%)
- Blue (76%)



- Red (64%)
- Yellow (69%)
- Blue (76%)



- Cyan (16%)
- Magenta (4%)
- Yellow (0%)
- Black (24%)



- Cyan (36%)
- Magenta (27%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.2222, 0.2884, 0.3196 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 47.2222, 0.2884, 0.3196 by changing the saturation by 10% instead.

■ 47.2222, 0.2884,
0.3196

■ 47.2222, 0.2884,
0.3196

375.7008, 0.3005,
0.3244

■ 33.2113, 0.2854,
0.3184

■ 86.0452, 0.2928,
0.3214

■ 22.2884, 0.2816,
0.3168

■ 111.6261, 0.2944,
0.3220

■ 14.0690, 0.2766,
0.3146

141.8326, 0.2958,
0.3226

■ 8.1686, 0.2696,
0.3116

177.0489, 0.2970,
0.3230

■ 4.2031, 0.2594,
0.3070

217.6594, 0.2980,
0.3235

■ 1.7878, 0.2428,
0.2990

264.0487, 0.2989,

■ 0.4795, 0.1687,

0.3238

0.2763

316.6010, 0.2997,
0.3241

0.0000, 0.0000,
0.0000

47.2222, 0.2884,
0.3196

47.2222, 0.2884,
0.3196

43.4977, 0.2736,
0.3130

51.3217, 0.3036,
0.3256

40.1274, 0.2595,
0.3059

55.8042, 0.3188,
0.3311

37.0977, 0.2465,
0.2984

60.6847, 0.3340,
0.3361

34.3910, 0.2347,
0.2904

65.9757, 0.3488,
0.3404

31.9885, 0.2246,
0.2823

70.7279, 0.3593,
0.3445

■ 29.8688, 0.2163,
0.2740

■ 72.9097, 0.3583,
0.3489

■ 28.0071, 0.2099,
0.2656

■ 75.1512, 0.3572,
0.3534

■ 26.3724, 0.2055,
0.2574

■ 77.4530, 0.3562,
0.3577

■ 25.7563, 0.2039,
0.2541

■ 79.8154, 0.3552,
0.3620

Harmonies

Analogous

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



47.2222, 0.2935, 0.3311



47.2222, 0.2884, 0.3196



47.2222, 0.2896, 0.3110

Triad

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



47.2222, 0.2884, 0.3196



47.2222, 0.3215, 0.3163



47.2222, 0.3284, 0.3513

Complementary

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



47.2222, 0.2884, 0.3196



42.8684, 0.3411, 0.3382

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.



47.2222, 0.3363, 0.3467



47.2222, 0.2884, 0.3196



47.2222, 0.3322, 0.3265

Square

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



47.2222, 0.2884, 0.3196



47.2222, 0.3086, 0.3094



47.2222, 0.3377, 0.3376



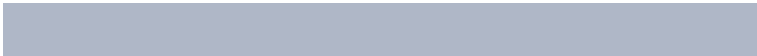
47.2222, 0.3165, 0.3497

Rectangle

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



47.2222, 0.2884, 0.3196



47.2222, 0.2939, 0.3080



47.2222, 0.3377, 0.3376



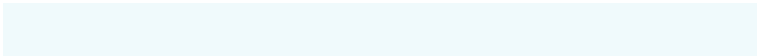
47.2222, 0.3316, 0.3504

Sweetspot

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



47.2242, 0.2884, 0.3196



93.6722, 0.3050, 0.3262



49.2701, 0.3059, 0.3620



20.3907, 0.3039, 0.3258



0.0000, 0.0000, 0.0000



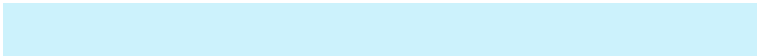
21.4041, 0.3127, 0.3290

Same Dimension

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



47.2242, 0.2884, 0.3196



83.2316, 0.2835, 0.3175



41.1040, 0.2875, 0.2988



11.0296, 0.2984, 0.3237



17.0574, 0.2042, 0.2552



0.8342, 0.2093, 0.2735

Inverse Universe

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



41.2513, 0.3207, 0.2985



70.5830, 0.3225, 0.2919



48.9101, 0.3381, 0.3575



10.2073, 0.3171, 0.3114



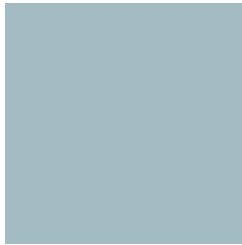
9.0042, 0.3871, 0.1906



0.3989, 0.3695, 0.1809

Previews

White Background



This preview shows how the Yxy color 47.2222, 0.2884, 0.3196 looks on a white background.

Color Contrast Check

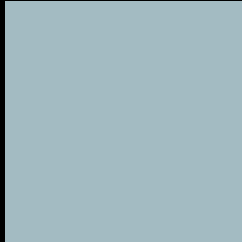
Large Text (above 18pt) WCAG AA × Fail

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 47.2222, 0.2884, 0.3196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

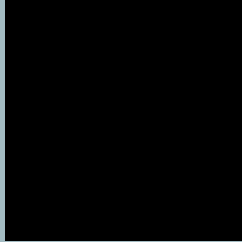
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

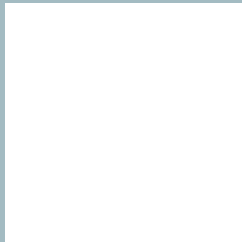
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.2222, 0.2884, 0.3196

Background



This preview shows how black text looks on a background with the Yxy color 47.2222, 0.2884, 0.3196.



This preview shows how white text looks on a background with the Yxy color 47.2222, 0.2884, 0.3196.

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

47.2222, 0.2884, 0.3196

Protanopia

46.8766, 0.3066, 0.3161

Deuteranopia

46.8991, 0.3121, 0.3054



Tritanopia

47.2274, 0.2842, 0.3092

Trichromacy



Original Color

47.2222, 0.2884, 0.3196

Protanomaly

46.9029, 0.3000, 0.3173

Deuteranomaly

47.0552, 0.3035, 0.3111

Tritanomaly

47.0875, 0.2863, 0.3131

Monochromacy



Original Color

47.2222, 0.2884, 0.3196

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.4108, 0.3029, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.2222, 0.2884, 0.3196 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(163, 187, 194)` looks like.

```
.text, #text, p{  
    color:rgb(163, 187, 194)  
}
```

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(163, 187, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 187, 194) }
```

Border

The CSS property to change the border of an element to Yxy 47.2222, 0.2884, 0.3196 is called "border". The border property can be set on classes, ids or directly on the HTML element.

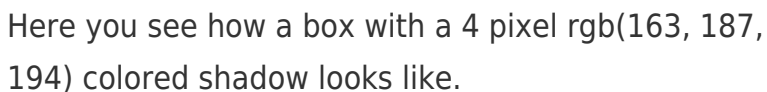
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(163, 187, 194) }
```

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

```
.border{ border-color:rgb(163, 187, 194) }
```

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



Here you see how a box with a 4 pixel `rgb(163, 187, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 187, 194); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 187, 194); box-shadow:4px 4px 4px 4px rgb(163, 187, 194) }
```


Background

The CSS property to change the background color of an element to Yxy 47.2222, 0.2884, 0.3196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 187, 194) }
```

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

```
.background{ background-color: rgb(163,  
187, 194) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor