

Converting Colors

$Y_{xy}(42.7624, 0.2841, 0.3204)$

Have a look what the booklet for
Yxy(42.7624, 0.2841, 0.3204)
contains.

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Color

Yxy(42.7670, 0.2844, 0.3205)

Conversions

Conversions Part 1

Format	Color
Hex	97B4BA
RGB	151, 180, 186
RGB Percent	59%, 71%, 73%
CMY	0.4078, 0.2941, 0.2705
CMYK	0.19, 0.03, 0.00, 0.27
HSL	190°, 20%, 66%
HSV	190°, 19%, 73%
XYZ	37.9499, 42.7670, 52.7215
YIQ	172.0130, -19.2100, -4.2820

Conversions

Conversions Part 2

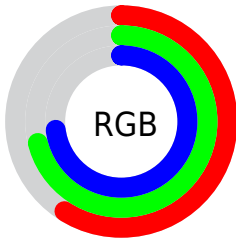
Format	Color
RYB	151, 167, 186
Decimal	9942202
CIELab	71.40, -8.53, -6.37
CIElCh	71, 10.643, 216.741
Yxy	42.7670, 0.2844, 0.3205
Android (android.graphics.Color)	4288132282 (0xFF97B4BA)
YUV	172.0130, 6.8956, -18.4284
Hunter-Lab	65.3965, -10.8595, -2.0210

Details

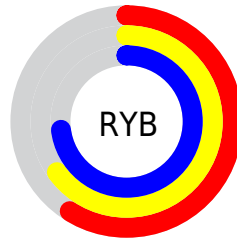
The Yxy color $42.7670, 0.2844, 0.3205$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $36.8028, 0.3474, 0.3373$, and the grayscale version is $41.2359, 0.3127, 0.3290$.

A 20% lighter version of the original color is $79.5235, 0.2899, 0.3225$, and $19.5248, 0.2757, 0.3172$ is the 20% darker color. If you saturate the color by 10%, you get $39.8494, 0.2701, 0.3154$, and if you desaturate by 10%, it is $45.9988, 0.2993, 0.3252$.

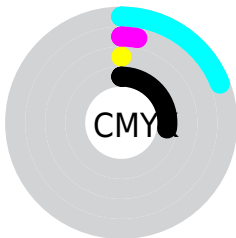
Distribution



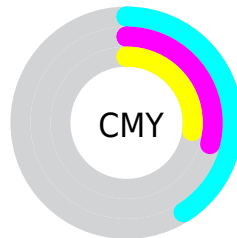
- Red (59%)
- Green (71%)
- Blue (73%)



- Red (59%)
- Yellow (65%)
- Blue (73%)



- Cyan (19%)
- Magenta (3%)
- Yellow (0%)
- Black (27%)



- Cyan (41%)
- Magenta (29%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.7670, 0.2844, 0.3205 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 42.7670, 0.2844, 0.3205 by changing the saturation by 10% instead.

■ 42.7670, 0.2844,
0.3205

■ 42.7670, 0.2844,
0.3205

■ 357.6527, 0.2986,
0.3250

■ 29.7023, 0.2808,
0.3193

■ 79.3591, 0.2896,
0.3222

■ 19.6128, 0.2762,
0.3178

■ 103.6554, 0.2915,
0.3228

■ 12.1139, 0.2700,
0.3156

■ 132.4643, 0.2932,
0.3233

■ 6.8213, 0.2614,
0.3125

■ 166.1703, 0.2946,
0.3237

■ 3.3506, 0.2483,
0.3075

■ 205.1577, 0.2958,
0.3241

■ 1.3174, 0.2266,
0.2985

■ 249.8110, 0.2969,

■ 0.1546, 0.0000,

0.3244

0.2013

300.5145, 0.2978,
0.3247

0.0000, 0.0000,
0.0000

42.7670, 0.2844,
0.3205

42.7670, 0.2844,
0.3205

39.8494, 0.2701,
0.3154

45.9988, 0.2993,
0.3252

37.2275, 0.2568,
0.3100

49.5519, 0.3145,
0.3295

34.8885, 0.2447,
0.3043

53.4400, 0.3298,
0.3334

32.8167, 0.2341,
0.2983

57.6741, 0.3450,
0.3368

30.9949, 0.2252,
0.2922

62.2647, 0.3598,
0.3399

■ 29.4032, 0.2182,
0.2861

■ 65.7470, 0.3680,
0.3429

■ 28.0186, 0.2131,
0.2799

■ 67.2375, 0.3672,
0.3461

■ 26.8014, 0.2096,
0.2738

■ 68.7591, 0.3663,
0.3494

■ 26.6625, 0.2092,
0.2731

■ 70.3122, 0.3654,
0.3527

Harmonies

Analogous

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



42.7670, 0.2920, 0.3346



42.7670, 0.2844, 0.3205



42.7670, 0.2842, 0.3092

Triad

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



42.7670, 0.2844, 0.3205



42.7670, 0.3199, 0.3116



42.7670, 0.3341, 0.3551

Complementary

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



42.7670, 0.2844, 0.3205



36.8028, 0.3474, 0.3373

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.



42.7670, 0.3420, 0.3481



42.7670, 0.2844, 0.3205



42.7670, 0.3337, 0.3231

Square

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



42.7670, 0.2844, 0.3205



42.7670, 0.3044, 0.3045



42.7670, 0.3419, 0.3364



42.7670, 0.3206, 0.3549

Rectangle

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



42.7670, 0.2844, 0.3205



42.7670, 0.2882, 0.3047



42.7670, 0.3419, 0.3364



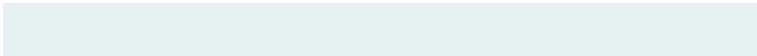
42.7670, 0.3375, 0.3534

Sweetspot

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



42.7688, 0.2844, 0.3205



85.0458, 0.3034, 0.3264



44.1372, 0.3060, 0.3710



18.6379, 0.3024, 0.3261



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.



42.7688, 0.2844, 0.3205



75.0190, 0.2778, 0.3182



36.2082, 0.2830, 0.2956



9.9405, 0.2985, 0.3250



18.0291, 0.2094, 0.2739



0.7058, 0.2138, 0.2896

Inverse Universe

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



35.8742, 0.3205, 0.2906



60.1281, 0.3226, 0.2810



43.0854, 0.3433, 0.3603



9.1355, 0.3163, 0.3103



8.6024, 0.3691, 0.1807



0.3103, 0.3547, 0.1728

Previews

White Background



This preview shows how the Yxy color 42.7670, 0.2844, 0.3205 looks on a white background.

Color Contrast Check

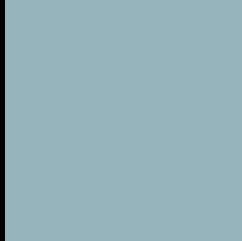
Large Text (above 18pt) WCAG AA × Fail

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 42.7670, 0.2844, 0.3205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

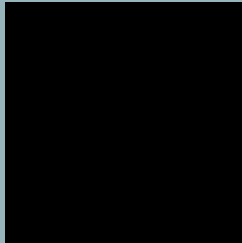
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

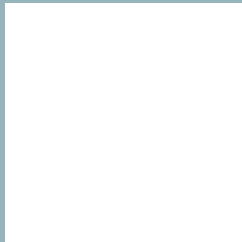
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.7670, 0.2844, 0.3205

Background



This preview shows how black text looks on a background with the Yxy color 42.7670, 0.2844, 0.3205.



This preview shows how white text looks on a background with the Yxy color 42.7670, 0.2844, 0.3205.

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

42.7670, 0.2844, 0.3205

Protanopia

42.3785, 0.3071, 0.3169

Deuteranopia

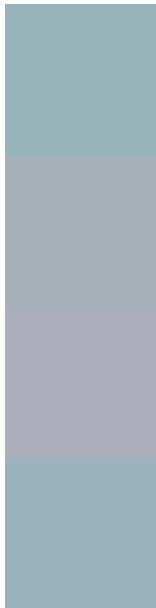
42.6946, 0.3111, 0.3057



Tritanopia

42.7659, 0.2801, 0.3096

Trichromacy



Original Color

42.7670, 0.2844, 0.3205

Protanomaly

42.5766, 0.2986, 0.3194

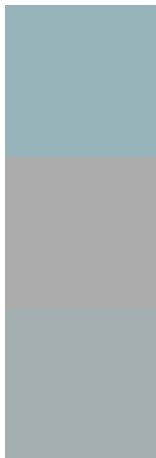
Deuteranomaly

42.7442, 0.3014, 0.3116

Tritanomaly

42.6333, 0.2823, 0.3137

Monochromacy



Original Color

42.7670, 0.2844, 0.3205

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.7268, 0.3016, 0.3262

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.7670, 0.2844, 0.3205 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(151, 180, 186)` looks like.

```
.text, #text, p{  
    color:rgb(151, 180, 186)  
}
```

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(151, 180, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 180, 186) }
```

Border

The CSS property to change the border of an element to Yxy 42.7670, 0.2844, 0.3205 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(151, 180, 186) }
```

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

```
.border{ border-color:rgb(151, 180, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 180, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 180, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 180, 186);  
box-shadow:4px 4px 4px 4px rgb(151, 180,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 42.7670, 0.2844, 0.3205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 180, 186) }
```

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

```
.background{ background-color: rgb(151,  
180, 186) }
```

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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