

Converting Colors

$Y_{xy}(42.7096, 0.2645, 0.3131)$

Have a look what the booklet for
Yxy(42.7096, 0.2645, 0.3131)
contains.

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Color

Yxy(42.5873, 0.2650, 0.3132)

Conversions

Conversions Part 1

Format	Color
Hex	83B7C2
RGB	131, 183, 194
RGB Percent	51%, 72%, 76%
CMY	0.4862, 0.2824, 0.2392
CMYK	0.32, 0.06, 0.00, 0.24
HSL	190°, 34%, 64%
HSV	190°, 32%, 76%
XYZ	36.0333, 42.5873, 57.3542
YIQ	168.7060, -34.5230, -7.6030

Conversions

Conversions Part 2

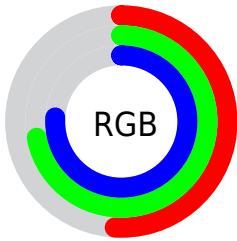
Format	Color
RYB	131, 159, 194
Decimal	8632258
CIELab	71.27, -14.31, -11.05
CIElCh	71, 18.076, 217.682
Yxy	42.5873, 0.2650, 0.3132
Android (android.graphics.Color)	4286822338 (0xFF83B7C2)
YUV	168.7060, 12.4699, -33.0682
Hunter-Lab	65.2589, -15.6428, -6.4270

Details

The Yxy color **42.5873, 0.2650, 0.3132** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **32.4600, 0.3819, 0.3441**, and the grayscale version is **39.4768, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.0742, 0.2740, 0.3169**, and **19.4784, 0.2514, 0.3088** is the 20% darker color. If you saturate the color by 10%, you get **39.8015, 0.2520, 0.3076**, and if you desaturate by 10%, it is **45.7001, 0.2790, 0.3185**.

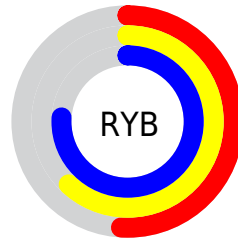
Distribution



Red (51%)

Green (72%)

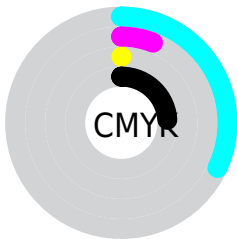
Blue (76%)



Red (51%)

Yellow (62%)

Blue (76%)

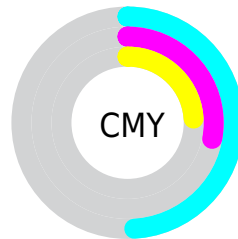


Cyan (32%)

Magenta (6%)

Yellow (0%)

Black (24%)



Cyan (49%)


Magenta (28%)

Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.5873, 0.2650, 0.3132 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 42.5873, 0.2650, 0.3132 by changing the saturation by 10% instead.


 42.5873, 0.2650,
0.3132


 42.5873, 0.2650,
0.3132


356.9118, 0.2888,
0.3216


 29.5614, 0.2591,
0.3109


 79.0877, 0.2736,
0.3164

 19.5059, 0.2515,
0.3080


 103.3310, 0.2769,
0.3175

 12.0364, 0.2414,
0.3038


 132.0823, 0.2796,
0.3185

 6.7685, 0.2275,
0.2978

165.7260, 0.2820,
0.3193

 3.3177, 0.2070,
0.2881

204.6463, 0.2841,
0.3200

 1.2998, 0.1743,
0.2706

249.2278, 0.2858,

 0.1410, 0.0000,

0.3206

0.1322

299.8548, 0.2874,
0.3211

0.0000, 0.0000,
0.0000

42.5873, 0.2650,
0.3132

42.5873, 0.2650,
0.3132

39.8015, 0.2520,
0.3076

45.7001, 0.2790,
0.3185

37.3212, 0.2404,
0.3016

49.1501, 0.2938,
0.3234

35.1300, 0.2303,
0.2955

52.9530, 0.3090,
0.3280

33.2079, 0.2221,
0.2892

57.1222, 0.3243,
0.3320

31.5316, 0.2158,
0.2830

61.6703, 0.3396,
0.3357

■ 30.0737, 0.2114,
0.2767

■ 66.6091, 0.3546,
0.3390

■ 29.0793, 0.2089,
0.2721

■ 69.6382, 0.3598,
0.3422

■ 71.2939, 0.3590,
0.3457

■ 72.9850, 0.3582,
0.3491

Harmonies

Analogous

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



42.5873, 0.2771, 0.3375



42.5873, 0.2650, 0.3132



42.5873, 0.2651, 0.2947

Triad

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



42.5873, 0.2650, 0.3132



42.5873, 0.3254, 0.3005



42.5873, 0.3483, 0.3736

Complementary

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



42.5873, 0.2650, 0.3132



32.4600, 0.3819, 0.3441

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.



42.5873, 0.3625, 0.3613



42.5873, 0.2650, 0.3132



42.5873, 0.3491, 0.3195

Square

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



42.5873, 0.2650, 0.3132



42.5873, 0.2991, 0.2885



42.5873, 0.3629, 0.3414



42.5873, 0.3248, 0.3737

Rectangle

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



42.5873, 0.2650, 0.3132



42.5873, 0.2719, 0.2878



42.5873, 0.3629, 0.3414



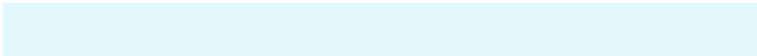
42.5873, 0.3544, 0.3707

Sweetspot

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



42.5890, 0.2650, 0.3132



90.5821, 0.2972, 0.3245



45.3461, 0.3012, 0.4076



19.6272, 0.2951, 0.3238



0.0000, 0.0000, 0.0000



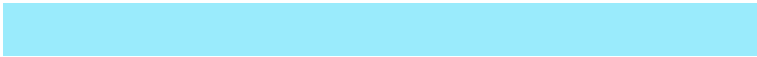
21.4041, 0.3127, 0.3290

Same Dimension

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



42.5890, 0.2650, 0.3132



73.4928, 0.2556, 0.3092



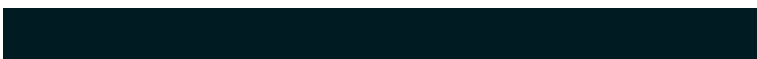
31.1842, 0.2593, 0.2666



11.1196, 0.2984, 0.3249



19.2275, 0.2092, 0.2729



0.9112, 0.2130, 0.2867

Inverse Universe

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



31.1275, 0.3276, 0.2620



49.9022, 0.3317, 0.2474



42.9964, 0.3690, 0.3843



10.2164, 0.3164, 0.3102



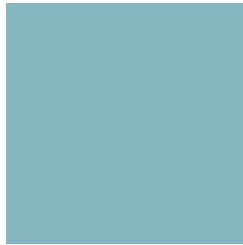
9.2233, 0.3701, 0.1812



0.4066, 0.3573, 0.1742

Previews

White Background



This preview shows how the Yxy color 42.5873, 0.2650, 0.3132 looks on a white background.

Color Contrast Check

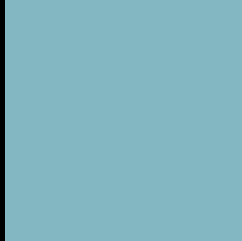
Large Text (above 18pt) WCAG AA × Fail

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 42.5873, 0.2650, 0.3132 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

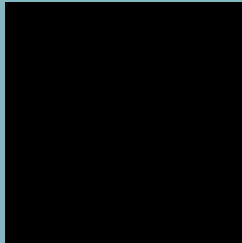
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.5873, 0.2650, 0.3132

Background



This preview shows how black text looks on a background with the Yxy color 42.5873, 0.2650, 0.3132.

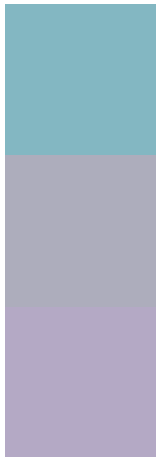


This preview shows how white text looks on a background with the Yxy color 42.5873, 0.2650, 0.3132.

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

42.5873, 0.2650, 0.3132

Protanopia

42.4022, 0.3006, 0.3090

Deuteranopia

42.1105, 0.2995, 0.2927



Tritanopia

42.3926, 0.2636, 0.3076

Trichromacy



Original Color

42.5873, 0.2650, 0.3132

Protanomaly

42.4311, 0.2868, 0.3111

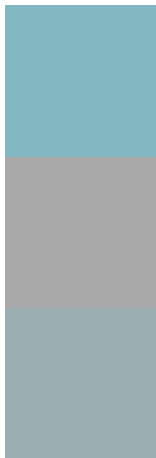
Deuteranomaly

41.9390, 0.2854, 0.2992

Tritanomaly

42.3470, 0.2642, 0.3090

Monochromacy



Original Color

42.5873, 0.2650, 0.3132

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

40.4550, 0.2932, 0.3233

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.5873, 0.2650, 0.3132 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(131, 183, 194)` looks like.

```
.text, #text, p{  
    color:rgb(131, 183, 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(131, 183, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 183, 194) }
```

Border

The CSS property to change the border of an element to Yxy 42.5873, 0.2650, 0.3132 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(131, 183, 194) }
```

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

```
.border{ border-color:rgb(131, 183, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 183, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 183, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 183, 194);  
box-shadow:4px 4px 4px 4px rgb(131, 183,  
194) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 42.5873, 0.2650, 0.3132$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 183, 194) }
```

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

```
.background{ background-color: rgb(131,  
183, 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](#).

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