

Converting Colors

$Y_{xy}(44.4000, 0.2570, 0.2982)$

Have a look what the booklet for
Yxy(44.4000, 0.2570, 0.2982)
contains.

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Color

Yxy(44.4972, 0.2570, 0.2985)

Conversions

Conversions Part 1

Format	Color
Hex	83BAD0
RGB	131, 186, 208
RGB Percent	51%, 73%, 82%
CMY	0.4861, 0.2706, 0.1842
CMYK	0.37, 0.11, 0.00, 0.18
HSL	197°, 45%, 66%
HSV	197°, 37%, 82%
XYZ	38.3108, 44.4972, 66.2613
YIQ	172.0630, -39.8420, -4.8180

Conversions

Conversions Part 2

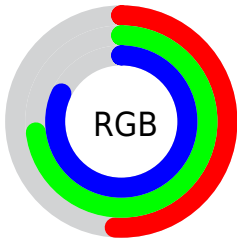
Format	Color
RYB	131, 163, 208
Decimal	8633040
CIELab	72.56, -12.38, -16.80
CIElCh	73, 20.864, 233.610
Yxy	44.4972, 0.2570, 0.2985
Android (android.graphics.Color)	4286823120 (0xFF83BAD0)
YUV	172.0630, 17.7169, -36.0123
Hunter-Lab	66.7062, -14.2195, -12.2002

Details

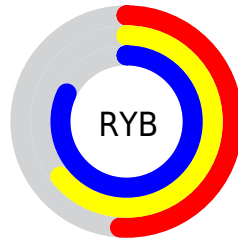
The Yxy color **44.4972, 0.2570, 0.2985** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.8600, 0.3918, 0.3572**, and the grayscale version is **41.2175, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.1634, 0.2717, 0.3148**, and **20.6859, 0.2413, 0.2888** is the 20% darker color. If you saturate the color by 10%, you get **40.5442, 0.2434, 0.2887**, and if you desaturate by 10%, it is **48.8917, 0.2715, 0.3077**.

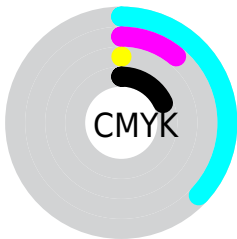
Distribution



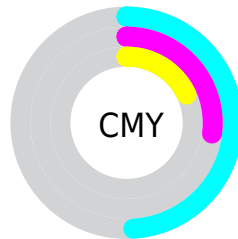
- Red (51%)
- Green (73%)
- Blue (82%)



- Red (51%)
- Yellow (64%)
- Blue (82%)



- Cyan (37%)
- Magenta (11%)
- Yellow (0%)
- Black (18%)





- Cyan (49%)
- Magenta (27%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.4972, 0.2570, 0.2985 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 44.4972, 0.2570, 0.2985 by changing the saturation by 10% instead.


 44.4972, 0.2570,
0.2985

 44.4972, 0.2570,
0.2985


364.7334, 0.2845,
0.3142


 31.0616, 0.2503,
0.2944


 81.9654, 0.2669,
0.3043

 20.6457, 0.2417,
0.2892


 106.7667, 0.2706,
0.3065

 12.8653, 0.2306,
0.2821


 136.1255, 0.2738,
0.3083

 7.3359, 0.2153,
0.2720

170.4259, 0.2765,
0.3098

 3.6730, 0.1935,
0.2568

210.0526, 0.2789,
0.3112

 1.4924, 0.1602,
0.2316

255.3898, 0.2810,

 0.2834, 0.0000,

0.3123

0.1520

306.8219, 0.2829,
0.3133

0.0000, 0.0000,
0.0000

44.4972, 0.2570,
0.2985

44.4972, 0.2570,
0.2985

40.5442, 0.2434,
0.2887

48.8917, 0.2715,
0.3077

37.0062, 0.2310,
0.2784

53.7421, 0.2866,
0.3162

33.8614, 0.2202,
0.2678

59.0685, 0.3020,
0.3240

31.0833, 0.2112,
0.2569

64.8879, 0.3173,
0.3310

28.6413, 0.2042,
0.2461

71.2165, 0.3323,
0.3373

■ 26.4950, 0.1992,
0.2354

■ 77.9072, 0.3463,
0.3430

■ 25.8895, 0.1979,
0.2323

■ 81.1207, 0.3453,
0.3489

■ 84.4469, 0.3442,
0.3547

■ 87.8869, 0.3432,
0.3605

Harmonies

Analogous

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



44.4972, 0.2635, 0.3234



44.4972, 0.2570, 0.2985



44.4972, 0.2645, 0.2834

Triad

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



44.4972, 0.2570, 0.2985



44.4972, 0.3424, 0.3074



44.4972, 0.3397, 0.3819

Complementary

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



44.4972, 0.2570, 0.2985



37.8600, 0.3918, 0.3572

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.



44.4972, 0.3624, 0.3744



44.4972, 0.2570, 0.2985



44.4972, 0.3644, 0.3311

Square

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



44.4972, 0.2570, 0.2985



44.4972, 0.3128, 0.2892



44.4972, 0.3718, 0.3554



44.4972, 0.3104, 0.3738

Rectangle

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



44.4972, 0.2570, 0.2985



44.4972, 0.2766, 0.2801



44.4972, 0.3718, 0.3554



44.4972, 0.3484, 0.3810

Sweetspot

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



44.4989, 0.2570, 0.2985



90.0473, 0.2956, 0.3209



52.2487, 0.2941, 0.4079



19.0255, 0.2935, 0.3198



0.0000, 0.0000, 0.0000



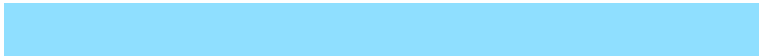
21.4041, 0.3127, 0.3290

Same Dimension

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



44.4989, 0.2570, 0.2985



65.7576, 0.2467, 0.2912



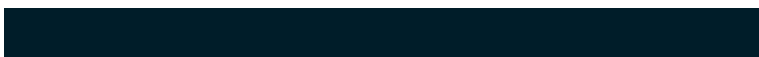
30.4757, 0.2490, 0.2424



12.8115, 0.2983, 0.3222



16.3033, 0.1983, 0.2338



1.0435, 0.2037, 0.2533

Inverse Universe

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



33.2018, 0.3392, 0.2618



46.1666, 0.3463, 0.2485



52.4667, 0.3746, 0.4026



11.9490, 0.3181, 0.3125



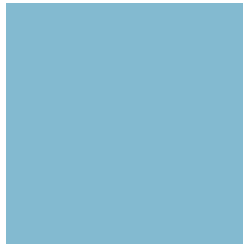
9.7171, 0.4087, 0.2025



0.5566, 0.3890, 0.1916

Previews

White Background



This preview shows how the Yxy color 44.4972, 0.2570, 0.2985 looks on a white background.

Color Contrast Check

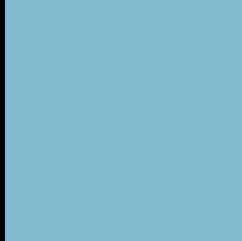
Large Text (above 18pt) WCAG AA × Fail

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 44.4972, 0.2570, 0.2985 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 44.4972, 0.2570, 0.2985

Background



This preview shows how black text looks on a background with the Yxy color 44.4972, 0.2570, 0.2985.



This preview shows how white text looks on a background with the Yxy color 44.4972, 0.2570, 0.2985.

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

44.4972, 0.2570, 0.2985

Protanopia

44.1520, 0.2907, 0.2964

Deuteranopia

44.0553, 0.2872, 0.2808



Tritanopia

44.5507, 0.2601, 0.3079

Trichromacy



Original Color

44.4972, 0.2570, 0.2985

Protanomaly

44.2713, 0.2772, 0.2970

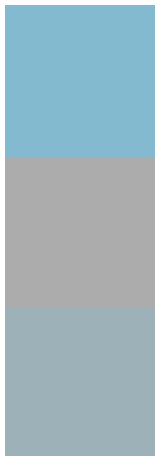
Deuteranomaly

44.0710, 0.2751, 0.2870

Tritanomaly

44.6461, 0.2589, 0.3052

Monochromacy



Original Color

44.4972, 0.2570, 0.2985

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

42.1152, 0.2897, 0.3178

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.4972, 0.2570, 0.2985 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, 186, 208)` looks like.

```
.text, #text, p{  
    color:rgb(131, 186, 208)  
}
```

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, 186, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 186, 208) }
```

Border

The CSS property to change the border of an element to Yxy 44.4972, 0.2570, 0.2985 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, 186, 208) }
```

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

```
.border{ border-color:rgb(131, 186, 208) }
```

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

Here you see how a box with a 4 pixel rgb(131, 186, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 186, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 186, 208);  
box-shadow:4px 4px 4px 4px rgb(131, 186,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 44.4972, 0.2570, 0.2985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 186, 208) }
```

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

```
.background{ background-color: rgb(131,  
186, 208) }
```

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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