

Converting Colors

$Yxy(44.8815, 0.2563, 0.2938)$

Have a look what the booklet for
Yxy(44.8815, 0.2563, 0.2938)
contains.

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Color

Yxy(44.8578, 0.2559, 0.2935)

Conversions

Conversions Part 1

Format	Color
Hex	85BAD4
RGB	133, 186, 212
RGB Percent	52%, 73%, 83%
CMY	0.4785, 0.2706, 0.1687
CMYK	0.37, 0.12, 0.00, 0.17
HSL	200°, 48%, 68%
HSV	200°, 37%, 83%
XYZ	39.1111, 44.8578, 68.8686
YIQ	173.1170, -39.9340, -3.1500

Conversions

Conversions Part 2

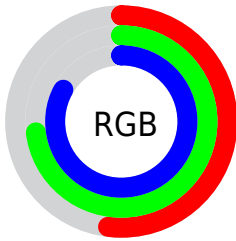
Format	Color
RYB	133, 165, 212
Decimal	8764116
CIELab	72.80, -10.85, -18.58
CIElCh	73, 21.516, 239.709
Yxy	44.8578, 0.2559, 0.2935
Android (android.graphics.Color)	4286954196 (0xFF85BAD4)
YUV	173.1170, 19.1693, -35.1826
Hunter-Lab	66.9760, -12.9715, -14.0822

Details

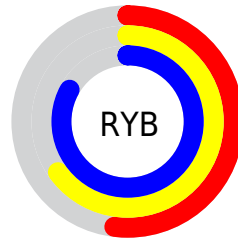
The Yxy color **44.8578, 0.2559, 0.2935** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **40.4677, 0.3910, 0.3616**, and the grayscale version is **41.7666, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5431, 0.2734, 0.3149**, and **20.8716, 0.2406, 0.2837** is the 20% darker color. If you saturate the color by 10%, you get **40.4397, 0.2418, 0.2821**, and if you desaturate by 10%, it is **49.7707, 0.2708, 0.3042**.

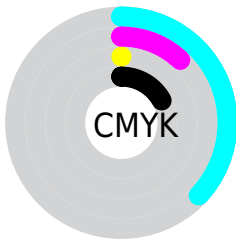
Distribution



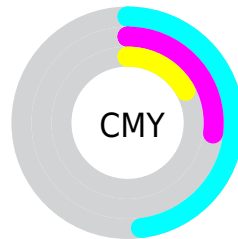
- Red (52%)
- Green (73%)
- Blue (83%)



- Red (52%)
- Yellow (65%)
- Blue (83%)



- Cyan (37%)
- Magenta (12%)
- Yellow (0%)
- Black (17%)



- Cyan (48%)
- Magenta (27%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.8578, 0.2559, 0.2935 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 44.8578, 0.2559, 0.2935 by changing the saturation by 10% instead.

■ 44.8578, 0.2559,
0.2935

■ 44.8578, 0.2559,
0.2935

366.1973, 0.2839,
0.3117

■ 31.3454, 0.2491,
0.2889

■ 82.5070, 0.2659,
0.3002

■ 20.8620, 0.2404,
0.2829

■ 107.4126, 0.2698,
0.3027

■ 13.0232, 0.2292,
0.2749

■ 136.8847, 0.2730,
0.3047

■ 7.4445, 0.2138,
0.2637

171.3078, 0.2758,
0.3065

■ 3.7416, 0.1920,
0.2470

211.0662, 0.2782,
0.3081

■ 1.5301, 0.1588,
0.2199

256.5443, 0.2803,

■ 0.3098, 0.0138,

0.3094

0.1445

308.1266, 0.2822,
0.3106

0.0000, 0.0000,
0.0000

44.8578, 0.2559,
0.2935

44.8578, 0.2559,
0.2935

40.4397, 0.2418,
0.2821

49.7707, 0.2708,
0.3042

36.4881, 0.2289,
0.2701

55.1945, 0.2861,
0.3140

32.9794, 0.2175,
0.2577

61.1508, 0.3016,
0.3230

29.8850, 0.2079,
0.2451

67.6582, 0.3169,
0.3311

27.1718, 0.2004,
0.2325

74.7342, 0.3318,
0.3384

■ 24.7959, 0.1949,
0.2201

■ 81.4011, 0.3425,
0.3450

■ 24.1846, 0.1935,
0.2167

■ 85.3091, 0.3414,
0.3519

■ 89.3734, 0.3403,
0.3586

■ 93.5957, 0.3392,
0.3652

Harmonies

Analogous

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



44.8578, 0.2596, 0.3174



44.8578, 0.2559, 0.2935



44.8578, 0.2664, 0.2805

Triad

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



44.8578, 0.2559, 0.2935



44.8578, 0.3488, 0.3114



44.8578, 0.3346, 0.3831

Complementary

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



44.8578, 0.2559, 0.2935



40.4677, 0.3910, 0.3616

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.



44.8578, 0.3600, 0.3784



44.8578, 0.2559, 0.2935



44.8578, 0.3688, 0.3363

Square

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



44.8578, 0.2559, 0.2935



44.8578, 0.3192, 0.2913



44.8578, 0.3729, 0.3607



44.8578, 0.3041, 0.3715

Rectangle

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



44.8578, 0.2559, 0.2935



44.8578, 0.2804, 0.2788



44.8578, 0.3729, 0.3607



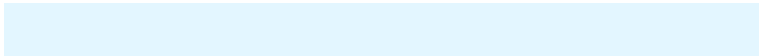
44.8578, 0.3440, 0.3833

Sweetspot

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



44.8595, 0.2559, 0.2935



89.3197, 0.2956, 0.3197



54.5297, 0.2923, 0.4048



18.8516, 0.2935, 0.3184



0.0000, 0.0000, 0.0000



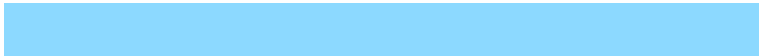
21.4041, 0.3127, 0.3290

Same Dimension

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



44.8595, 0.2559, 0.2935



62.5853, 0.2443, 0.2842



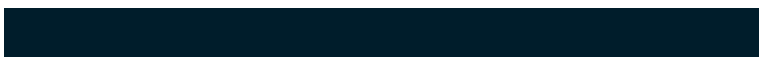
30.7514, 0.2479, 0.2378



13.3877, 0.2982, 0.3212



15.1239, 0.1940, 0.2185



1.0606, 0.2000, 0.2398

Inverse Universe

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



34.3108, 0.3430, 0.2651



45.1134, 0.3521, 0.2513



55.8448, 0.3741, 0.4060



12.5600, 0.3187, 0.3135



9.8716, 0.4249, 0.2114



0.6104, 0.4025, 0.1991

Previews

White Background



This preview shows how the Yxy color 44.8578, 0.2559, 0.2935 looks on a white background.

Color Contrast Check

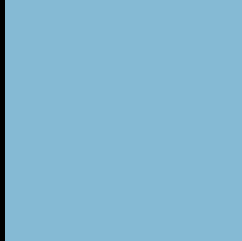
Large Text (above 18pt) WCAG AA × Fail

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 44.8578, 0.2559, 0.2935 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 44.8578, 0.2559, 0.2935

Background



This preview shows how black text looks on a background with the Yxy color 44.8578, 0.2559, 0.2935.



This preview shows how white text looks on a background with the Yxy color 44.8578, 0.2559, 0.2935.

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

44.8578, 0.2559, 0.2935

Protanopia

44.7847, 0.2871, 0.2916

Deuteranopia

44.5255, 0.2836, 0.2773



Tritanopia

45.1035, 0.2604, 0.3080

Trichromacy



Original Color

44.8578, 0.2559, 0.2935

Protanomaly

44.4657, 0.2745, 0.2919

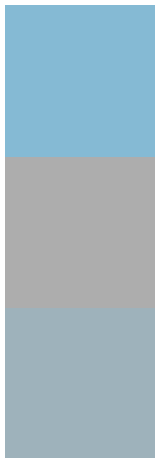
Deuteranomaly

44.2729, 0.2724, 0.2821

Tritanomaly

44.9024, 0.2590, 0.3027

Monochromacy



Original Color

44.8578, 0.2559, 0.2935

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

42.6977, 0.2891, 0.3165

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.8578, 0.2559, 0.2935 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(133, 186, 212)` looks like.

```
.text, #text, p{  
    color:rgb(133, 186, 212)  
}
```

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(133, 186, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 186, 212) }
```

Border

The CSS property to change the border of an element to Yxy 44.8578, 0.2559, 0.2935 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(133, 186, 212) }
```

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

```
.border{ border-color:rgb(133, 186, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 186, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 186, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 186, 212);  
box-shadow:4px 4px 4px 4px rgb(133, 186,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 44.8578, 0.2559, 0.2935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 186, 212) }
```

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

```
.background{ background-color: rgb(133,  
186, 212) }
```

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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