

Converting Colors

$Y_{xy}(43.5267, 0.2323, 0.2904)$

Have a look what the booklet for
Yxy(43.5267, 0.2323, 0.2904)
contains.

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Color

Yxy(43.5267, 0.2323, 0.2904)

Conversions

Conversions Part 1

Format	Color
Hex	5ABDD8
RGB	90, 189, 216
RGB Percent	35%, 74%, 85%
CMY	0.6466, 0.2589, 0.1529
CMYK	0.58, 0.13, 0.00, 0.15
HSL	193°, 62%, 60%
HSV	193°, 58%, 85%
XYZ	34.8184, 43.5267, 71.5403
YIQ	162.4770, -67.6710, -12.5910

Conversions

Conversions Part 2

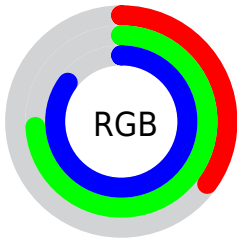
Format	Color
RYB	90, 145, 216
Decimal	5946840
CIELab	71.91, -21.17, -22.30
CIElCh	72, 30.745, 226.495
Yxy	43.5267, 0.2323, 0.2904
Android (android.graphics.Color)	4284136920 (0xFF5ABDD8)
YUV	162.4770, 26.3868, -63.5623
Hunter-Lab	65.9748, -21.2520, -18.1092

Details

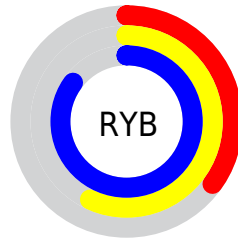
The Yxy color **43.5267, 0.2323, 0.2904** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **28.0984, 0.4695, 0.3609**, and the grayscale version is **36.2792, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.0088, 0.2543, 0.3175**, and **19.9205, 0.2107, 0.2774** is the 20% darker color. If you saturate the color by 10%, you get **40.6331, 0.2228, 0.2826**, and if you desaturate by 10%, it is **46.8021, 0.2436, 0.2980**.

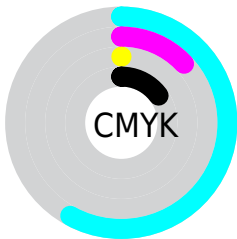
Distribution



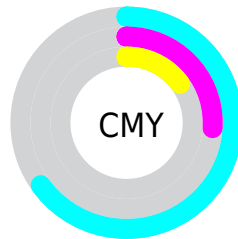
- Red (35%)
- Green (74%)
- Blue (85%)



- Red (35%)
- Yellow (57%)
- Blue (85%)



- Cyan (58%)
- Magenta (13%)
- Yellow (0%)
- Black (15%)



- Cyan (65%)
- Magenta (26%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.5267, 0.2323, 0.2904 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 43.5267, 0.2323, 0.2904 by changing the saturation by 10% instead.

43.5267, 0.2323,
0.2904

43.5267, 0.2323,
0.2904

360.7734, 0.2716,
0.3108

30.2986, 0.2229,
0.2851

80.5051, 0.2463,
0.2980

20.0653, 0.2110,
0.2781

105.0241, 0.2516,
0.3008

12.4425, 0.1958,
0.2687

134.0756, 0.2562,
0.3031

7.0458, 0.1754,
0.2553

168.0439, 0.2601,
0.3051

3.4908, 0.1474,
0.2351

207.3135, 0.2635,
0.3068

1.3930, 0.1070,
0.2024

252.2686, 0.2665,

0.2116, 0.0000,

0.3083

0.0937

303.2938, 0.2692,
0.3096

0.0000, 0.0000,
0.0000

43.5267, 0.2323,
0.2904

43.5267, 0.2323,
0.2904

40.6331, 0.2228,
0.2826

46.8021, 0.2436,
0.2980

38.0879, 0.2151,
0.2747

50.4798, 0.2563,
0.3053

35.8589, 0.2094,
0.2668

54.5843, 0.2701,
0.3122

33.8968, 0.2055,
0.2590

59.1365, 0.2848,
0.3186

33.5735, 0.2049,
0.2576

64.1559, 0.3000,
0.3245

■ 69.6607, 0.3154,
0.3299

■ 75.6679, 0.3307,
0.3347

■ 80.6579, 0.3400,
0.3392

■ 83.2154, 0.3393,
0.3438

Harmonies

Analogous

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



43.5267, 0.2457, 0.3297



43.5267, 0.2323, 0.2904



43.5267, 0.2383, 0.2655

Triad

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



43.5267, 0.2323, 0.2904



43.5267, 0.3465, 0.2903



43.5267, 0.3610, 0.4073

Complementary

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



43.5267, 0.2323, 0.2904



28.0984, 0.4695, 0.3609

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.



43.5267, 0.3914, 0.3893



43.5267, 0.2323, 0.2904



43.5267, 0.3837, 0.3224

Square

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



43.5267, 0.2323, 0.2904



43.5267, 0.3017, 0.2674



43.5267, 0.4004, 0.3579



43.5267, 0.3188, 0.4023

Rectangle

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



43.5267, 0.2323, 0.2904



43.5267, 0.2527, 0.2587



43.5267, 0.4004, 0.3579



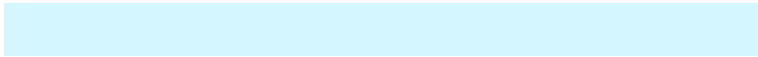
43.5267, 0.3730, 0.4034

Sweetspot

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



43.5283, 0.2323, 0.2904



86.8905, 0.2865, 0.3193



52.5431, 0.2921, 0.4811



18.2956, 0.2835, 0.3181



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.



43.5283, 0.2323, 0.2904



58.2383, 0.2208, 0.2807



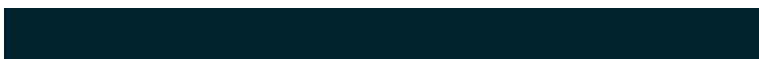
22.5480, 0.2117, 0.1962



13.6343, 0.2982, 0.3239



20.0326, 0.2052, 0.2588



1.3236, 0.2090, 0.2723

Inverse Universe

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



25.6076, 0.3498, 0.2176



31.4912, 0.3603, 0.2014



47.2800, 0.4202, 0.4305



12.5849, 0.3170, 0.3109



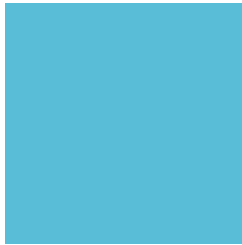
10.3672, 0.3836, 0.1887



0.6369, 0.3706, 0.1815

Previews

White Background



This preview shows how the Yxy color 43.5267, 0.2323, 0.2904 looks on a white background.

Color Contrast Check

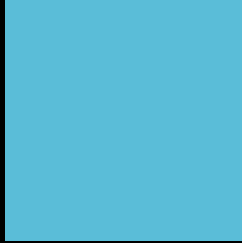
Large Text (above 18pt) WCAG AA × Fail

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 43.5267, 0.2323, 0.2904 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

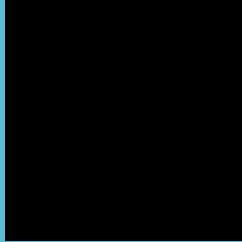
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.5267, 0.2323, 0.2904

Background



This preview shows how black text looks on a background with the Yxy color 43.5267, 0.2323, 0.2904.

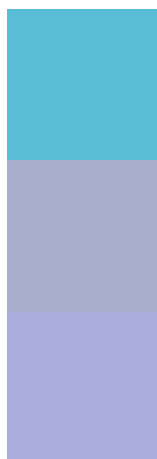


This preview shows how white text looks on a background with the Yxy color 43.5267, 0.2323, 0.2904.

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

43.5267, 0.2323, 0.2904

Protanopia

43.1634, 0.2837, 0.2872

Deuteranopia

43.1074, 0.2738, 0.2680



Tritanopia

43.6963, 0.2361, 0.3069

Trichromacy



Original Color

43.5267, 0.2323, 0.2904

Protanomaly

42.4688, 0.2603, 0.2866

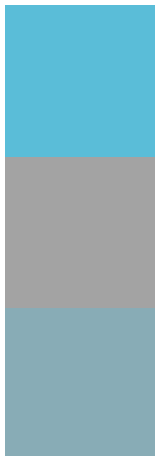
Deuteranomaly

42.5307, 0.2547, 0.2740

Tritanomaly

43.5063, 0.2342, 0.2999

Monochromacy



Original Color

43.5267, 0.2323, 0.2904

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

38.1167, 0.2749, 0.3142

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.5267, 0.2323, 0.2904 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(90, 189, 216)` looks like.

```
.text, #text, p{  
    color:rgb(90, 189, 216)  
}
```

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(90, 189, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 189, 216) }
```

Border

The CSS property to change the border of an element to Yxy 43.5267, 0.2323, 0.2904 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(90, 189, 216) }
```

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

```
.border{ border-color:rgb(90, 189, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 189, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 189, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 189, 216);  
box-shadow:4px 4px 4px 4px rgb(90, 189,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 43.5267, 0.2323, 0.2904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 189, 216) }
```

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

```
.background{ background-color: rgb(90, 189,  
216) }
```

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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