

Converting Colors

$Y_{xy}(43.7563, 0.2223, 0.2827)$

Have a look what the booklet for
Yxy(43.7563, 0.2223, 0.2827)
contains.

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Color

Yxy(43.8914, 0.2227, 0.2835)

Conversions

Conversions Part 1

Format	Color
Hex	46BFD9
RGB	70, 191, 223
RGB Percent	27%, 75%, 87%
CMY	0.7251, 0.2510, 0.1256
CMYK	0.69, 0.14, 0.00, 0.13
HSL	193°, 70%, 57%
HSV	193°, 69%, 87%
XYZ	34.4784, 43.8914, 76.4500
YIQ	158.4690, -82.3880, -15.7000

Conversions

Conversions Part 2

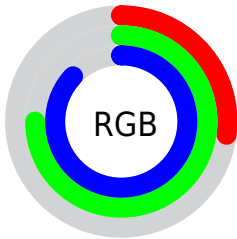
Format	Color
RYB	70, 138, 223
Decimal	4636639
CIELab	72.16, -23.39, -25.77
CIElCh	72, 34.800, 227.770
Yxy	43.8914, 0.2227, 0.2835
Android (android.graphics.Color)	4282826719 (0xFF46BFDF)
YUV	158.4690, 31.8138, -77.5873
Hunter-Lab	66.2506, -23.0429, -22.0424

Details

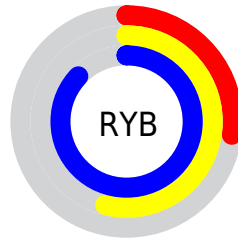
The Yxy color **43.8914, 0.2227, 0.2835** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **25.6471, 0.5127, 0.3623**, and the grayscale version is **34.3095, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.5890, 0.2490, 0.3208**, and **20.7185, 0.2081, 0.2693** is the 20% darker color. If you saturate the color by 10%, you get **41.2085, 0.2152, 0.2758**, and if you desaturate by 10%, it is **46.9501, 0.2321, 0.2911**.

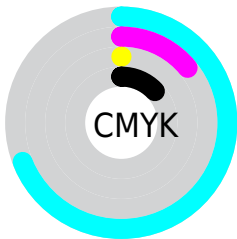
Distribution



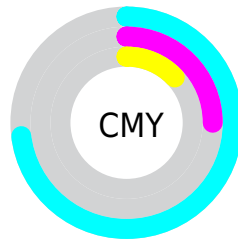
- Red (27%)
- Green (75%)
- Blue (87%)



- Red (27%)
- Yellow (54%)
- Blue (87%)



- Cyan (69%)
- Magenta (14%)
- Yellow (0%)
- Black (13%)




- Cyan (73%)
- Magenta (25%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.8914, 0.2227, 0.2835 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 43.8914, 0.2227, 0.2835 by changing the saturation by 10% instead.


 43.8914, 0.2227,
0.2835

 43.8914, 0.2227,
0.2835


362.2649, 0.2663,
0.3074


 30.5851, 0.2124,
0.2773


 81.0543, 0.2382,
0.2924


 20.2832, 0.1995,
0.2692


 105.6797, 0.2441,
0.2957

 12.6010, 0.1830,
0.2583


 134.8470, 0.2491,
0.2984

 7.1544, 0.1614,
0.2431

 168.9405, 0.2535,
0.3008

 3.5588, 0.1323,
0.2205

208.3447, 0.2573,
0.3028

 1.4300, 0.0917,
0.1851

253.4439, 0.2607,

 0.2387, 0.0000,

0.3045

0.0862

304.6225, 0.2637,
0.3061

0.0000, 0.0000,
0.0000

43.8914, 0.2227,
0.2835

43.8914, 0.2227,
0.2835

41.2085, 0.2152,
0.2758

46.9501, 0.2321,
0.2911

38.8600, 0.2097,
0.2681

50.4110, 0.2433,
0.2986

36.7931, 0.2059,
0.2605

54.3030, 0.2559,
0.3057

36.5077, 0.2054,
0.2594

58.6509, 0.2697,
0.3124

63.4773, 0.2844,
0.3187

■ 68.8033, 0.2995,
0.3245

■ 74.6485, 0.3149,
0.3297

■ 81.0313, 0.3303,
0.3345

■ 84.8519, 0.3343,
0.3390

Harmonies

Analogous

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



43.8914, 0.2365, 0.3272



43.8914, 0.2227, 0.2835



43.8914, 0.2303, 0.2570

Triad

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



43.8914, 0.2227, 0.2835



43.8914, 0.3528, 0.2870



43.8914, 0.3647, 0.4178

Complementary

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



43.8914, 0.2227, 0.2835



25.6471, 0.5127, 0.3623

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.



43.8914, 0.4002, 0.3974



43.8914, 0.2227, 0.2835



43.8914, 0.3943, 0.3228

Square

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



43.8914, 0.2227, 0.2835



43.8914, 0.3021, 0.2611



43.8914, 0.4119, 0.3622



43.8914, 0.3169, 0.4116

Rectangle

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



43.8914, 0.2227, 0.2835



43.8914, 0.2467, 0.2502



43.8914, 0.4119, 0.3622



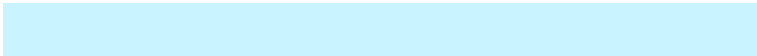
43.8914, 0.3785, 0.4134

Sweetspot

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



43.8930, 0.2227, 0.2835



84.2797, 0.2805, 0.3171



55.0026, 0.2908, 0.5119



17.6458, 0.2764, 0.3154



0.0000, 0.0000, 0.0000



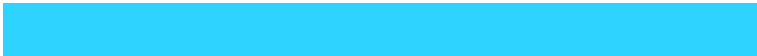
21.4041, 0.3127, 0.3290

Same Dimension

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



43.8930, 0.2227, 0.2835



54.5154, 0.2127, 0.2727



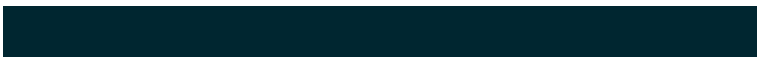
19.1153, 0.1946, 0.1684



15.0600, 0.2982, 0.3240



21.6392, 0.2057, 0.2606



1.6236, 0.2090, 0.2723

Inverse Universe

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



23.8392, 0.3575, 0.2028



27.9223, 0.3692, 0.1909



47.6178, 0.4402, 0.4433



13.8839, 0.3170, 0.3107



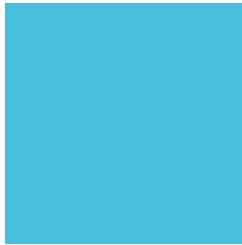
11.0925, 0.3819, 0.1877



0.7814, 0.3707, 0.1816

Previews

White Background



This preview shows how the Yxy color 43.8914, 0.2227, 0.2835 looks on a white background.

Color Contrast Check

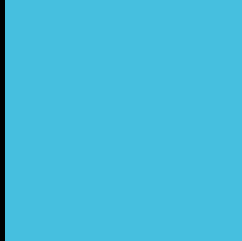
Large Text (above 18pt) WCAG AA × Fail

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 43.8914, 0.2227, 0.2835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

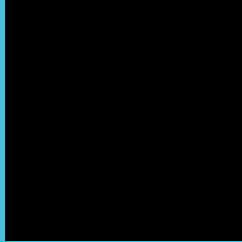
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.8914, 0.2227, 0.2835

Background



This preview shows how black text looks on a background with the Yxy color 43.8914, 0.2227, 0.2835.

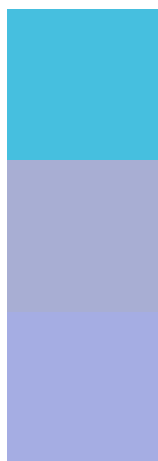


This preview shows how white text looks on a background with the Yxy color 43.8914, 0.2227, 0.2835.

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

43.8914, 0.2227, 0.2835

Protanopia

43.3001, 0.2794, 0.2811

Deuteranopia

43.4325, 0.2663, 0.2609



Tritanopia

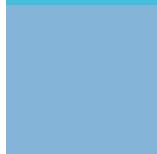
43.7675, 0.2271, 0.3052

Trichromacy



Original Color

43.8914, 0.2227, 0.2835



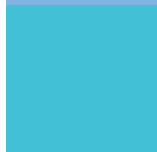
Protanomaly

42.4543, 0.2523, 0.2811



Deuteranomaly

42.8793, 0.2449, 0.2675



Tritanomaly

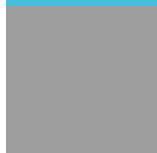
43.6781, 0.2254, 0.2968

Monochromacy



Original Color

43.8914, 0.2227, 0.2835



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

36.5625, 0.2671, 0.3108

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.8914, 0.2227, 0.2835 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(70, 191, 223)` looks like.

```
.text, #text, p{  
    color:rgb(70, 191, 223)  
}
```

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(70, 191, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 191, 223) }
```

Border

The CSS property to change the border of an element to Yxy 43.8914, 0.2227, 0.2835 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(70, 191, 223) }
```

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

```
.border{ border-color:rgb(70, 191, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 191, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 191, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 191, 223);  
box-shadow:4px 4px 4px 4px rgb(70, 191,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 43.8914, 0.2227, 0.2835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 191, 223) }
```

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

```
.background{ background-color: rgb(70, 191,  
223) }
```

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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