

Converting Colors

$Y_{xy}(43.0161, 0.2302, 0.2838)$

Have a look what the booklet for
Yxy(43.0161, 0.2302, 0.2838)
contains.

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Color

Yxy(42.8288, 0.2302, 0.2835)

Conversions

Conversions Part 1

Format	Color
Hex	5ABBDB
RGB	90, 187, 219
RGB Percent	35%, 73%, 86%
CMY	0.6470, 0.2667, 0.1411
CMYK	0.59, 0.15, 0.00, 0.14
HSL	195°, 64%, 61%
HSV	195°, 59%, 86%
XYZ	34.7767, 42.8288, 73.4661
YIQ	161.6450, -68.0840, -10.6120

Conversions

Conversions Part 2

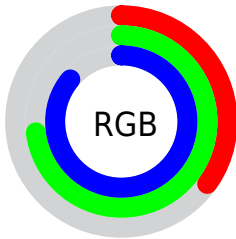
Format	Color
RYB	90, 145, 219
Decimal	5946331
CIELab	71.44, -19.27, -24.66
CIElCh	71, 31.298, 231.993
Yxy	42.8288, 0.2302, 0.2835
Android (android.graphics.Color)	4284136411 (0xFF5ABBDB)
YUV	161.6450, 28.2760, -62.8327
Hunter-Lab	65.4437, -19.6719, -20.7475

Details

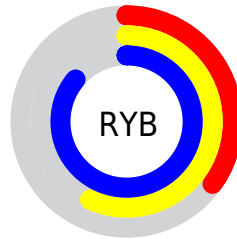
The Yxy color **42.8288, 0.2302, 0.2835** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **29.7340, 0.4685, 0.3663**, and the grayscale version is **35.8502, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8052, 0.2540, 0.3152**, and **19.7434, 0.2086, 0.2700** is the 20% darker color. If you saturate the color by 10%, you get **39.6252, 0.2203, 0.2743**, and if you desaturate by 10%, it is **46.4465, 0.2418, 0.2924**.

Distribution



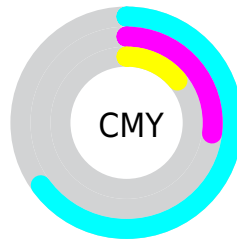
- Red (35%)
- Green (73%)
- Blue (86%)



- Red (35%)
- Yellow (57%)
- Blue (86%)



- Cyan (59%)
- Magenta (15%)
- Yellow (0%)
- Black (14%)





- Cyan (65%)
- Magenta (27%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.8288, 0.2302, 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 42.8288, 0.2302, 0.2835 by changing the saturation by 10% instead.

 42.8288, 0.2302,
0.2835


 42.8288, 0.2302,
0.2835


357.9072, 0.2705,
0.3073

 29.7508, 0.2205,
0.2773


 79.4524, 0.2446,
0.2923


 19.6495, 0.2084,
0.2693


 103.7669, 0.2501,
0.2956

 12.1405, 0.1927,
0.2586

 132.5956, 0.2547,
0.2983

 6.8395, 0.1720,
0.2435

 166.3230, 0.2588,
0.3007

 3.3619, 0.1435,
0.2211

205.3335, 0.2623,
0.3027

 1.3235, 0.1028,
0.1856

250.0114, 0.2654,

 0.1593, 0.0000,

0.3044

0.0666

300.7412, 0.2681,
0.3059

0.0000, 0.0000,
0.0000

42.8288, 0.2302,
0.2835

42.8288, 0.2302,
0.2835

39.6252, 0.2203,
0.2743

46.4465, 0.2418,
0.2924

36.8005, 0.2123,
0.2650

50.5002, 0.2548,
0.3010

34.3209, 0.2062,
0.2558

55.0156, 0.2689,
0.3090

32.1310, 0.2020,
0.2466

60.0148, 0.2838,
0.3165

31.8989, 0.2016,
0.2456

65.5184, 0.2990,
0.3234

71.5456, 0.3144,
0.3297

78.1143, 0.3297,
0.3353

83.2466, 0.3373,
0.3405

86.3291, 0.3366,
0.3459

Harmonies

Analogous

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



42.8288, 0.2403, 0.3215



42.8288, 0.2302, 0.2835



42.8288, 0.2399, 0.2614

Triad

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



42.8288, 0.2302, 0.2835



42.8288, 0.3553, 0.2949



42.8288, 0.3546, 0.4102

Complementary

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



42.8288, 0.2302, 0.2835



29.7340, 0.4685, 0.3663

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.



42.8288, 0.3889, 0.3953



42.8288, 0.2302, 0.2835



42.8288, 0.3904, 0.3288

Square

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



42.8288, 0.2302, 0.2835



42.8288, 0.3097, 0.2694



42.8288, 0.4027, 0.3648



42.8288, 0.3106, 0.4003

Rectangle

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



42.8288, 0.2302, 0.2835



42.8288, 0.2568, 0.2566



42.8288, 0.4027, 0.3648



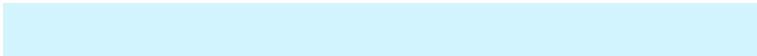
42.8288, 0.3677, 0.4076

Sweetspot

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



42.8304, 0.2302, 0.2835



85.2537, 0.2849, 0.3171



54.2087, 0.2898, 0.4768



17.7857, 0.2805, 0.3149



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.



42.8304, 0.2302, 0.2835



54.7929, 0.2179, 0.2718



21.8130, 0.2091, 0.1880



14.2535, 0.2982, 0.3231



19.0916, 0.2019, 0.2470



1.3696, 0.2061, 0.2619

Inverse Universe

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



25.9682, 0.3557, 0.2208



30.8066, 0.3684, 0.2051



50.3428, 0.4184, 0.4358



13.2167, 0.3175, 0.3116



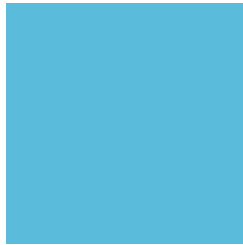
10.5511, 0.3953, 0.1951



0.6970, 0.3806, 0.1870

Previews

White Background



This preview shows how the Yxy color 42.8288, 0.2302, 0.2835 looks on a white background.

Color Contrast Check

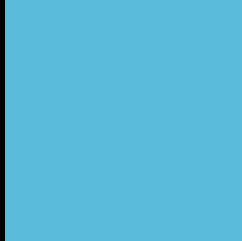
Large Text (above 18pt) WCAG AA × Fail

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 42.8288, 0.2302, 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 42.8288, 0.2302, 0.2835

Background



This preview shows how black text looks on a background with the Yxy color 42.8288, 0.2302, 0.2835.

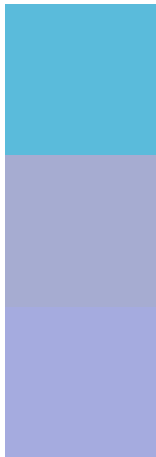


This preview shows how white text looks on a background with the Yxy color 42.8288, 0.2302, 0.2835.

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

42.8288, 0.2302, 0.2835

Protanopia

42.2155, 0.2791, 0.2806

Deuteranopia

42.4529, 0.2686, 0.2628



Tritanopia

42.6878, 0.2351, 0.3053

Trichromacy



Original Color

42.8288, 0.2302, 0.2835

Protanomaly

41.6517, 0.2567, 0.2798

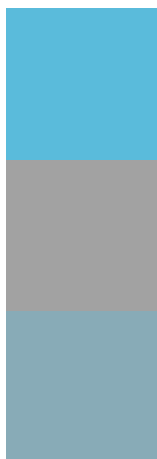
Deuteranomaly

42.1215, 0.2514, 0.2689

Tritanomaly

42.5980, 0.2332, 0.2969

Monochromacy



Original Color

42.8288, 0.2302, 0.2835

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

37.7790, 0.2740, 0.3112

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8288, 0.2302, 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(90, 187, 219)` looks like.

```
.text, #text, p{  
    color:rgb(90, 187, 219)  
}
```

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, 187, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 187, 219) }
```

Border

The CSS property to change the border of an element to Yxy 42.8288, 0.2302, 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(90, 187, 219) }
```

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

```
.border{ border-color:rgb(90, 187, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 187, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 187, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 187, 219);  
box-shadow:4px 4px 4px 4px rgb(90, 187,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8288, 0.2302, 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(90, 187, 219) }
```

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

```
.background{ background-color: rgb(90, 187,  
219) }
```

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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