

Converting Colors

$Y_{xy}(43.5897, 0.2212, 0.2733)$

Have a look what the booklet for
Yxy(43.5897, 0.2212, 0.2733)
contains.

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Color

Yxy(43.5482, 0.2210, 0.2731)

Conversions

Conversions Part 1

Format	Color
Hex	4BBDE5
RGB	75, 189, 229
RGB Percent	29%, 74%, 90%
CMY	0.7059, 0.2588, 0.1020
CMYK	0.67, 0.17, 0.00, 0.10
HSL	196°, 75%, 60%
HSV	196°, 67%, 90%
XYZ	35.2404, 43.5482, 80.6702
YIQ	159.4740, -80.7840, -11.7280

Conversions

Conversions Part 2

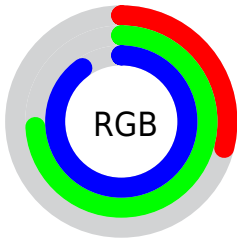
Format	Color
RYB	75, 141, 229
Decimal	4963813
CIELab	71.93, -19.79, -29.38
CIELCh	72, 35.421, 236.037
Yxy	43.5482, 0.2210, 0.2731
Android (android.graphics.Color)	4283153893 (0xFF4BBDE5)
YUV	159.4740, 34.2763, -74.0837
Hunter-Lab	65.9911, -20.1622, -26.2848

Details

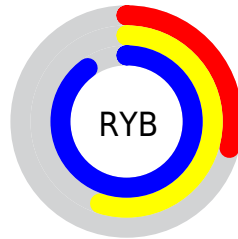
The Yxy color **43.5482, 0.2210, 0.2731** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **29.4226, 0.5003, 0.3707**, and the grayscale version is **34.7673, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1003, 0.2500, 0.3174**, and **20.6254, 0.2053, 0.2590** is the 20% darker color. If you saturate the color by 10%, you get **40.2806, 0.2125, 0.2633**, and if you desaturate by 10%, it is **47.2559, 0.2314, 0.2827**.

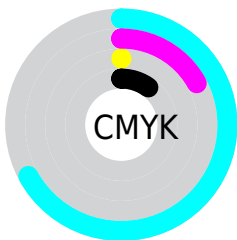
Distribution



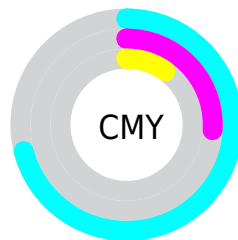
- Red (29%)
- Green (74%)
- Blue (90%)



- Red (29%)
- Yellow (55%)
- Blue (90%)



- Cyan (67%)
- Magenta (17%)
- Yellow (0%)
- Black (10%)




- Cyan (71%)
- Magenta (26%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.5482, 0.2210, 0.2731 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 43.5482, 0.2210, 0.2731 by changing the saturation by 10% instead.


 43.5482, 0.2210,
0.2731

 43.5482, 0.2210,
0.2731


360.8614, 0.2654,
0.3020


 30.3155, 0.2105,
0.2658


 80.5375, 0.2367,
0.2837


 20.0782, 0.1975,
0.2563


 105.0628, 0.2427,
0.2877

 12.4519, 0.1809,
0.2438


 134.1211, 0.2479,
0.2910

 7.0522, 0.1592,
0.2265

 168.0968, 0.2523,
0.2939

 3.4948, 0.1301,
0.2016

207.3743, 0.2562,
0.2963

 1.3952, 0.0907,
0.1640

252.3380, 0.2596,

 0.2132, 0.0000,

0.2985

0.0667

303.3722, 0.2627,
0.3003

■ 0.0000, 0.0000,
0.0000

■ 43.5482, 0.2210,
0.2731

■ 43.5482, 0.2210,
0.2731

■ 40.2806, 0.2125,
0.2633

■ 47.2559, 0.2314,
0.2827

■ 37.4096, 0.2060,
0.2535

■ 51.4323, 0.2434,
0.2921


■ 34.8861, 0.2014,
0.2439


■ 56.1083, 0.2568,
0.3010


■ 34.2305, 0.2004,
0.2412


■ 61.3107, 0.2712,
0.3094

■ 67.0639, 0.2862,
0.3172

 73.3906, 0.3015,
0.3243

 80.3123, 0.3169,
0.3307

 87.2386, 0.3300,
0.3365

 90.7309, 0.3293,
0.3423

Harmonies

Analogous

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



43.5482, 0.2290, 0.3135



43.5482, 0.2210, 0.2731



43.5482, 0.2346, 0.2517

Triad

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



43.5482, 0.2210, 0.2731



43.5482, 0.3670, 0.2955



43.5482, 0.3529, 0.4210

Complementary

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



43.5482, 0.2210, 0.2731



29.4226, 0.5003, 0.3707

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.



43.5482, 0.3939, 0.4065



43.5482, 0.2210, 0.2731



43.5482, 0.4039, 0.3336

Square

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



43.5482, 0.2210, 0.2731



43.5482, 0.3160, 0.2658



43.5482, 0.4135, 0.3734



43.5482, 0.3031, 0.4062

Rectangle

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



43.5482, 0.2210, 0.2731



43.5482, 0.2549, 0.2484



43.5482, 0.4135, 0.3734



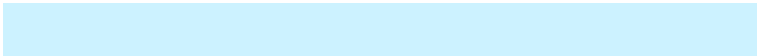
43.5482, 0.3682, 0.4190

Sweetspot

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



43.5498, 0.2210, 0.2731



83.4171, 0.2818, 0.3150



58.7333, 0.2876, 0.4978



17.4072, 0.2776, 0.3128



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.



43.5498, 0.2210, 0.2731



49.8036, 0.2095, 0.2592



19.0737, 0.1938, 0.1607



15.6696, 0.2981, 0.3228



19.7777, 0.2008, 0.2427



1.6098, 0.2047, 0.2568

Inverse Universe

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



25.3628, 0.3665, 0.2112



27.6452, 0.3817, 0.1995



54.2056, 0.4317, 0.4492



14.5479, 0.3177, 0.3118



11.1943, 0.3995, 0.1974



0.8422, 0.3855, 0.1897

Previews

White Background



This preview shows how the Yxy color 43.5482, 0.2210, 0.2731 looks on a white background.

Color Contrast Check

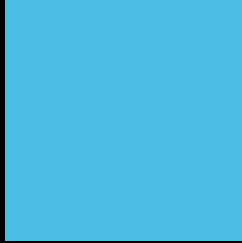
Large Text (above 18pt) WCAG AA × Fail

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 43.5482, 0.2210, 0.2731 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 43.5482, 0.2210, 0.2731

Background



This preview shows how black text looks on a background with the Yxy color 43.5482, 0.2210, 0.2731.

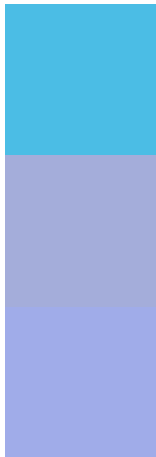


This preview shows how white text looks on a background with the Yxy color 43.5482, 0.2210, 0.2731.

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

43.5482, 0.2210, 0.2731

Protanopia

42.8416, 0.2714, 0.2710

Deuteranopia

42.8618, 0.2588, 0.2523



Tritanopia

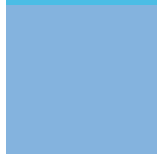
43.7508, 0.2278, 0.3067

Trichromacy



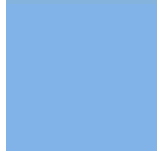
Original Color

43.5482, 0.2210, 0.2731



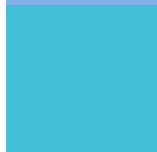
Protanomaly

42.4197, 0.2481, 0.2711



Deuteranomaly

42.3341, 0.2406, 0.2577



Tritanomaly

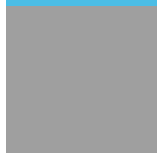
43.8504, 0.2251, 0.2942

Monochromacy



Original Color

43.5482, 0.2210, 0.2731



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

36.7993, 0.2672, 0.3080

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.5482, 0.2210, 0.2731 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(75, 189, 229)` looks like.

```
.text, #text, p{  
    color:rgb(75, 189, 229)  
}
```

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(75, 189, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 189, 229) }
```

Border

The CSS property to change the border of an element to Yxy 43.5482, 0.2210, 0.2731 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(75, 189, 229) }
```

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

```
.border{ border-color:rgb(75, 189, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 189, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 189, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 189, 229);  
box-shadow:4px 4px 4px 4px rgb(75, 189,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 43.5482, 0.2210, 0.2731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 189, 229) }
```

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

```
.background{ background-color: rgb(75, 189,  
229) }
```

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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