

Converting Colors

$Y_{xy}(43.6225, 0.2245, 0.2699)$

Have a look what the booklet for
Yxy(43.6225, 0.2245, 0.2699)
contains.

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Color

Yxy(43.7543, 0.2248, 0.2710)

Conversions

Conversions Part 1

Format	Color
Hex	58BCE6
RGB	88, 188, 230
RGB Percent	35%, 74%, 90%
CMY	0.6547, 0.2628, 0.0980
CMYK	0.62, 0.18, 0.00, 0.10
HSL	198°, 74%, 62%
HSV	198°, 62%, 90%
XYZ	36.2951, 43.7543, 81.4056
YIQ	162.8880, -73.0820, -8.1380

Conversions

Conversions Part 2

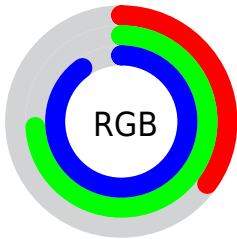
Format	Color
R_{YB}	88, 147, 230
Decimal	5815526
CIE _{Lab}	72.06, -16.84, -29.69
CIE _{LCh}	72, 34.129, 240.440
Yxy	43.7543, 0.2248, 0.2710
Android (android.graphics.Color)	4284005606 (0xFF58BCE6)
YUV	162.8880, 33.0862, -65.6768
Hunter-Lab	66.1470, -17.8138, -26.6639

Details

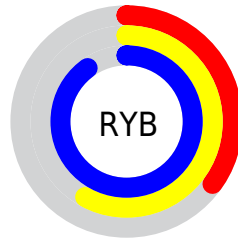
The Yxy color **43.7543, 0.2248, 0.2710** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **33.5141, 0.4743, 0.3749**, and the grayscale version is **36.4438, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4054, 0.2541, 0.3164**, and **20.3839, 0.2043, 0.2554** is the 20% darker color. If you saturate the color by 10%, you get **39.9638, 0.2147, 0.2598**, and if you desaturate by 10%, it is **48.0392, 0.2366, 0.2820**.

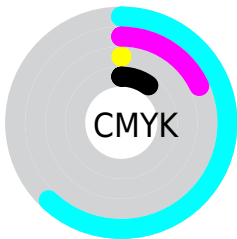
Distribution



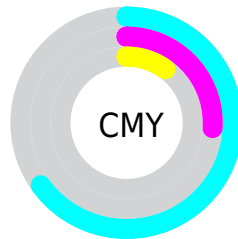
- Red (35%)
- Green (74%)
- Blue (90%)



- Red (35%)
- Yellow (58%)
- Blue (90%)



- Cyan (62%)
- Magenta (18%)
- Yellow (0%)
- Black (10%)




- Cyan (65%)
- Magenta (26%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.7543, 0.2248, 0.2710 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 43.7543, 0.2248, 0.2710 by changing the saturation by 10% instead.

 43.7543, 0.2248,
0.2710

 43.7543, 0.2248,
0.2710


361.7047, 0.2674,
0.3007

 30.4774, 0.2147,
0.2635


 80.8479, 0.2399,
0.2819

 20.2012, 0.2021,
0.2539


 105.4334, 0.2457,
0.2859

 12.5414, 0.1861,
0.2413


 134.5572, 0.2506,
0.2894

 7.1135, 0.1651,
0.2239

 168.6037, 0.2549,
0.2923

 3.5332, 0.1368,
0.1991

207.9573, 0.2586,
0.2948

 1.4160, 0.0981,
0.1618

253.0024, 0.2619,

 0.2285, 0.0000,

0.2970

0.0694

304.1234, 0.2648,
0.2990

■ 0.0000, 0.0000,
0.0000

■ 43.7543, 0.2248,
0.2710

■ 43.7543, 0.2248,
0.2710

■ 39.9638, 0.2147,
0.2598

■ 48.0392, 0.2366,
0.2820

■ 36.6265, 0.2066,
0.2485

■ 52.8458, 0.2499,
0.2925

■ 33.7005, 0.2005,
0.2372

■ 58.2043, 0.2642,
0.3024

■ 31.5320, 0.1967,
0.2281

■ 64.1409, 0.2792,
0.3116

■ 70.6800, 0.2946,
0.3201

■ 77.8442, 0.3101,
0.3278

■ 85.6551, 0.3253,
0.3347

■ 90.7522, 0.3287,
0.3412

■ 94.8909, 0.3280,
0.3478

Harmonies

Analogous

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



43.7543, 0.2295, 0.3076



43.7543, 0.2248, 0.2710



43.7543, 0.2409, 0.2530

Triad

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



43.7543, 0.2248, 0.2710



43.7543, 0.3714, 0.3018



43.7543, 0.3448, 0.4172

Complementary

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



43.7543, 0.2248, 0.2710



33.5141, 0.4743, 0.3749

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.



43.7543, 0.3862, 0.4072



43.7543, 0.2248, 0.2710



43.7543, 0.4035, 0.3394

Square

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



43.7543, 0.2248, 0.2710



43.7543, 0.3234, 0.2714



43.7543, 0.4086, 0.3774



43.7543, 0.2966, 0.3984

Rectangle

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



43.7543, 0.2248, 0.2710



43.7543, 0.2624, 0.2516



43.7543, 0.4086, 0.3774



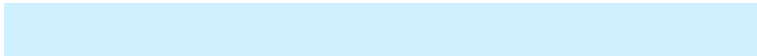
43.7543, 0.3600, 0.4168

Sweetspot

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



43.7559, 0.2248, 0.2710



83.1301, 0.2832, 0.3139



60.2448, 0.2860, 0.4754



17.3027, 0.2788, 0.3114



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.



43.7559, 0.2248, 0.2710



49.3042, 0.2123, 0.2567



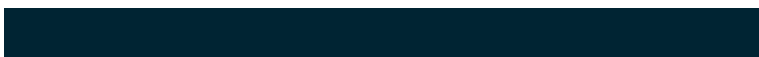
20.9391, 0.2016, 0.1696



15.5781, 0.2981, 0.3219



18.0714, 0.1972, 0.2298



1.4950, 0.2017, 0.2460

Inverse Universe

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



27.4436, 0.3671, 0.2229



29.3220, 0.3829, 0.2097



58.4954, 0.4189, 0.4465



14.5387, 0.3183, 0.3126



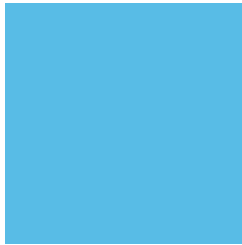
11.0220, 0.4128, 0.2048



0.8306, 0.3962, 0.1956

Previews

White Background



This preview shows how the Yxy color 43.7543, 0.2248, 0.2710 looks on a white background.

Color Contrast Check

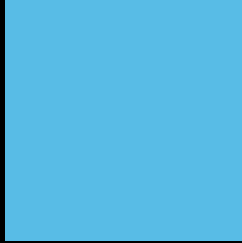
Large Text (above 18pt) WCAG AA × Fail

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 43.7543, 0.2248, 0.2710 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 43.7543, 0.2248, 0.2710

Background



This preview shows how black text looks on a background with the Yxy color 43.7543, 0.2248, 0.2710.

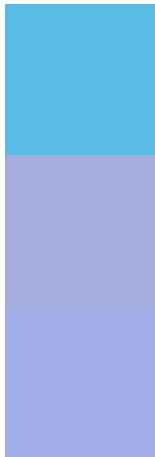


This preview shows how white text looks on a background with the Yxy color 43.7543, 0.2248, 0.2710.

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

43.7543, 0.2248, 0.2710

Protanopia

43.3319, 0.2702, 0.2700

Deuteranopia

43.3474, 0.2596, 0.2538



Tritanopia

43.7820, 0.2325, 0.3068

Trichromacy



Original Color

43.7543, 0.2248, 0.2710

Protanomaly

42.8563, 0.2494, 0.2691

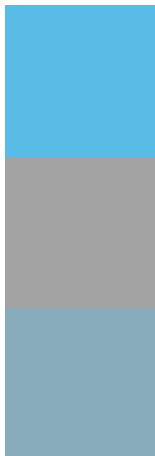
Deuteranomaly

42.7353, 0.2436, 0.2582

Tritanomaly

43.9172, 0.2299, 0.2944

Monochromacy



Original Color

43.7543, 0.2248, 0.2710

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

38.3271, 0.2714, 0.3070

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.7543, 0.2248, 0.2710 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(88, 188, 230)` looks like.

```
.text, #text, p{  
    color:rgb(88, 188, 230)  
}
```

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(88, 188, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 188, 230) }
```

Border

The CSS property to change the border of an element to Yxy 43.7543, 0.2248, 0.2710 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(88, 188, 230) }
```

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

```
.border{ border-color:rgb(88, 188, 230) }
```

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

Here you see how a box with a 4 pixel rgb(88, 188, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 188, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 188, 230);  
box-shadow:4px 4px 4px 4px rgb(88, 188,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 43.7543, 0.2248, 0.2710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 188, 230) }
```

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

```
.background{ background-color: rgb(88, 188,  
230) }
```

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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