

Converting Colors

$Y_{xy}(45.0074, 0.2248, 0.2645)$

Have a look what the booklet for
Yxy(45.0074, 0.2248, 0.2645)
contains.

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Color

Yxy(44.9425, 0.2248, 0.2645)

Conversions

Conversions Part 1

Format	Color
Hex	5FBDED
RGB	95, 189, 237
RGB Percent	37%, 74%, 93%
CMY	0.6277, 0.2588, 0.0706
CMYK	0.60, 0.20, 0.00, 0.07
HSL	200°, 80%, 65%
HSV	200°, 60%, 93%
XYZ	38.1969, 44.9425, 86.7756
YIQ	166.3660, -71.4320, -5.0000

Conversions

Conversions Part 2

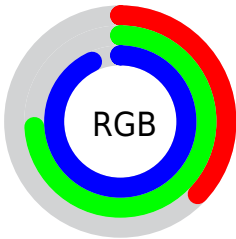
Format	Color
RYB	95, 152, 237
Decimal	6274541
CIELab	72.85, -14.01, -32.23
CIElCh	73, 35.146, 246.501
Yxy	44.9425, 0.2248, 0.2645
Android (android.graphics.Color)	4284464621 (0xFF5FBDED)
YUV	166.3660, 34.8226, -62.5880
Hunter-Lab	67.0392, -15.6147, -29.8176

Details

The Yxy color **44.9425, 0.2248, 0.2645** 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 **38.4499, 0.4633, 0.3806**, and the grayscale version is **38.1676, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.5927, 0.2571, 0.3176**, and **20.9961, 0.2026, 0.2467** is the 20% darker color. If you saturate the color by 10%, you get **40.5134, 0.2137, 0.2515**, and if you desaturate by 10%, it is **49.9507, 0.2375, 0.2771**.

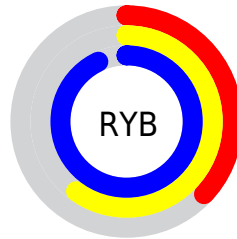
Distribution



Red (37%)

Green (74%)

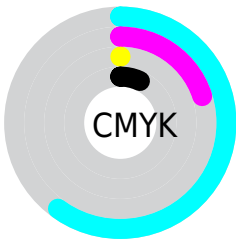
Blue (93%)



Red (37%)

Yellow (60%)

Blue (93%)

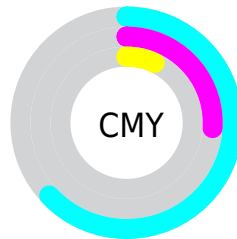


Cyan (60%)

Magenta (20%)

Yellow (0%)

Black (7%)



Cyan (63%)

Magenta (26%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.9425, 0.2248, 0.2645 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 44.9425, 0.2248, 0.2645 by changing the saturation by 10% instead.

44.9425, 0.2248,
0.2645

44.9425, 0.2248,
0.2645

366.5406, 0.2672,
0.2970

31.4121, 0.2148,
0.2565

82.6341, 0.2398,
0.2763

20.9129, 0.2025,
0.2463

107.5642, 0.2455,
0.2807

13.0603, 0.1867,
0.2330

137.0629, 0.2504,
0.2845

7.4701, 0.1662,
0.2150

171.5147, 0.2547,
0.2877

3.7578, 0.1388,
0.1898

211.3040, 0.2584,
0.2905

1.5390, 0.1016,
0.1530

256.8151, 0.2617,

0.3160, 0.0000,

0.2930

0.0788

308.4326, 0.2646,
0.2951

0.0000, 0.0000,
0.0000

44.9425, 0.2248,
0.2645

44.9425, 0.2248,
0.2645

40.5134, 0.2137,
0.2515

49.9507, 0.2375,
0.2771

36.6193, 0.2046,
0.2384

55.5680, 0.2515,
0.2891

33.2156, 0.1976,
0.2255

61.8271, 0.2664,
0.3004

30.2263, 0.1924,
0.2127

68.7570, 0.2818,
0.3109

30.2088, 0.1924,
0.2127

76.3844, 0.2973,
0.3204

84.7344, 0.3128,
0.3291

92.7067, 0.3241,
0.3369

97.6567, 0.3234,
0.3445

98.8940, 0.3232,
0.3464

Harmonies

Analogous

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



44.9425, 0.2252, 0.2982



44.9425, 0.2248, 0.2645



44.9425, 0.2453, 0.2502

Triad

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



44.9425, 0.2248, 0.2645



44.9425, 0.3810, 0.3085



44.9425, 0.3355, 0.4177

Complementary

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



44.9425, 0.2248, 0.2645



38.4499, 0.4633, 0.3806

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.



44.9425, 0.3803, 0.4128



44.9425, 0.2248, 0.2645



44.9425, 0.4089, 0.3475

Square

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



44.9425, 0.2248, 0.2645



44.9425, 0.3339, 0.2757



44.9425, 0.4080, 0.3854



44.9425, 0.2867, 0.3927

Rectangle

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



44.9425, 0.2248, 0.2645



44.9425, 0.2695, 0.2513



44.9425, 0.4080, 0.3854



44.9425, 0.3516, 0.4193

Sweetspot

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



44.9441, 0.2248, 0.2645



82.8140, 0.2847, 0.3127



64.9555, 0.2830, 0.4607



17.1863, 0.2801, 0.3098



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.



44.9441, 0.2248, 0.2645



46.7083, 0.2114, 0.2485



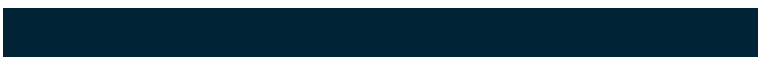
21.6464, 0.2025, 0.1651



16.2151, 0.2981, 0.3209



16.7464, 0.1930, 0.2148



1.4916, 0.1979, 0.2324

Inverse Universe

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



29.8518, 0.3724, 0.2307



29.6671, 0.3902, 0.2179



66.5766, 0.4115, 0.4502



15.2223, 0.3190, 0.3135



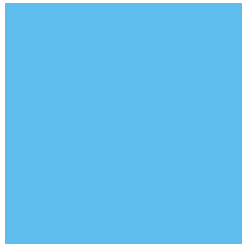
11.1834, 0.4289, 0.2136



0.8960, 0.4101, 0.2033

Previews

White Background



This preview shows how the Yxy color 44.9425, 0.2248, 0.2645 looks on a white background.

Color Contrast Check

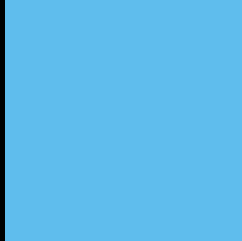
Large Text (above 18pt) WCAG AA × Fail

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 44.9425, 0.2248, 0.2645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

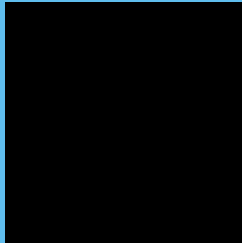
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

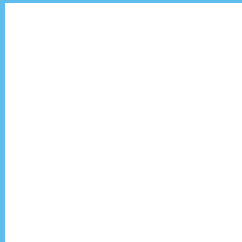
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.9425, 0.2248, 0.2645

Background



This preview shows how black text looks on a background with the Yxy color 44.9425, 0.2248, 0.2645.

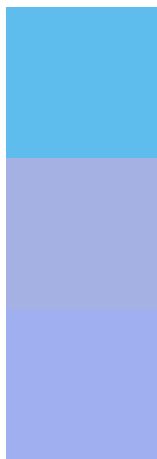


This preview shows how white text looks on a background with the Yxy color 44.9425, 0.2248, 0.2645.

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

44.9425, 0.2248, 0.2645

Protanopia

44.5961, 0.2666, 0.2648

Deuteranopia

44.4248, 0.2551, 0.2488



Tritanopia

45.0757, 0.2340, 0.3058

Trichromacy



Original Color

44.9425, 0.2248, 0.2645

Protanomaly

44.3927, 0.2484, 0.2640

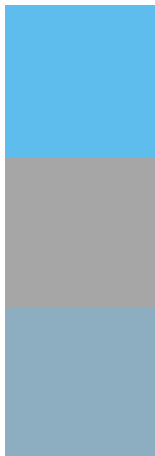
Deuteranomaly

44.1088, 0.2415, 0.2533

Tritanomaly

44.8928, 0.2302, 0.2895

Monochromacy



Original Color

44.9425, 0.2248, 0.2645

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

39.6533, 0.2712, 0.3032

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.9425, 0.2248, 0.2645 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(95, 189, 237)` looks like.

```
.text, #text, p{  
    color:rgb(95, 189, 237)  
}
```

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(95, 189, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 189, 237) }
```

Border

The CSS property to change the border of an element to Yxy 44.9425, 0.2248, 0.2645 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(95, 189, 237) }
```

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

```
.border{ border-color:rgb(95, 189, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 189, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 189, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 189, 237);  
box-shadow:4px 4px 4px 4px rgb(95, 189,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 44.9425, 0.2248, 0.2645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 189, 237) }
```

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

```
.background{ background-color: rgb(95, 189,  
237) }
```

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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