

# Converting Colors

$Y_{xy}(43.7821, 0.2088, 0.2619)$

Have a look what the booklet for  
Yxy(43.7821, 0.2088, 0.2619)  
contains.

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# Color

**Yxy(43.8509, 0.2090, 0.2625)**

# Conversions

## Conversions Part 1

Format	Color
Hex	23BFEF
RGB	35, 191, 239
RGB Percent	14%, 75%, 94%
CMY	0.8612, 0.2510, 0.0627
CMYK	0.85, 0.20, 0.00, 0.06
HSL	194°, 86%, 54%
HSV	194°, 85%, 94%
XYZ	34.9137, 43.8509, 88.2865
YIQ	149.8280, -108.3840, -18.1440

# Conversions

## Conversions Part 2

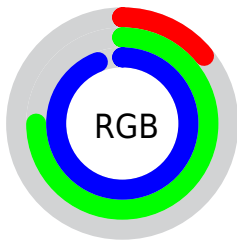
Format	Color
R <sub>Y</sub> B	35, 123, 239
Decimal	2342895
CIE Lab	72.13, -21.78, -34.55
CIE LCh	72, 40.843, 237.777
Yxy	43.8509, 0.2090, 0.2625
Android (android.graphics.Color)	4280532975 (0xFF23BFEF)
YUV	149.8280, 43.9618, -100.7042
Hunter-Lab	66.2200, -21.7731, -32.6932

# Details

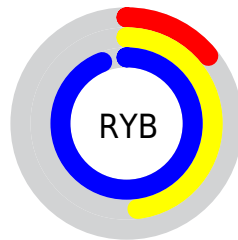
The Yxy color **43.8509, 0.2090, 0.2625** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed azure. A complement of this color would be **24.7256, 0.5732, 0.3631**, and the grayscale version is **30.3175, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.6635, 0.2424, 0.3195**, and **21.3102, 0.2015, 0.2455** is the 20% darker color. If you saturate the color by 10%, you get **41.1515, 0.2044, 0.2538**, and if you desaturate by 10%, it is **46.9329, 0.2155, 0.2713**.

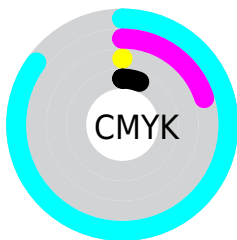
# Distribution



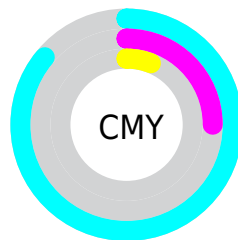
- Red (14%)
- Green (75%)
- Blue (94%)



- Red (14%)
- Yellow (48%)
- Blue (94%)



- Cyan (85%)
- Magenta (20%)
- Yellow (0%)
- Black (6%)



- Cyan (86%)
- Magenta (25%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.8509, 0.2090, 0.2625 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 43.8509, 0.2090, 0.2625 by changing the saturation by 10% instead.





 43.8509, 0.2090,  
0.2625


 43.8509, 0.2090,  
0.2625

 362.0995, 0.2586,  
0.2966


 30.5533, 0.1975,  
0.2540


 80.9933, 0.2264,  
0.2750


 20.2589, 0.1833,  
0.2431


 105.6070, 0.2331,  
0.2796

 12.5834, 0.1655,  
0.2288


 134.7614, 0.2389,  
0.2836

 7.1423, 0.1427,  
0.2094

 168.8411, 0.2439,  
0.2870

 3.5513, 0.1131,  
0.1823

 208.2303, 0.2483,  
0.2899

 1.4259, 0.0747,  
0.1431

 253.3135, 0.2521,

 0.2357, 0.0000,

0.2924

0.0573

304.4751, 0.2556,  
0.2947

0.0000, 0.0000,  
0.0000

43.8509, 0.2090,  
0.2625

43.8509, 0.2090,  
0.2625

41.1515, 0.2044,  
0.2538

46.9329, 0.2155,  
0.2713

39.9500, 0.2027,  
0.2496

50.4435, 0.2241,  
0.2801

54.4255, 0.2345,  
0.2888

58.9147, 0.2465,  
0.2972

63.9425, 0.2599,  
0.3052

■ 69.5379, 0.2743,  
0.3127

■ 75.7272, 0.2893,  
0.3196

■ 82.5349, 0.3047,  
0.3259

■ 89.9843, 0.3201,  
0.3317

# Harmonies

## Analogous

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



43.8509, 0.2163, 0.3072



43.8509, 0.2090, 0.2625



43.8509, 0.2255, 0.2403

# Triad

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



43.8509, 0.2090, 0.2625



43.8509, 0.3781, 0.2929



43.8509, 0.3547, 0.4354

# Complementary

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



43.8509, 0.2090, 0.2625



24.7256, 0.5732, 0.3631

# 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.



43.8509, 0.4029, 0.4187



43.8509, 0.2090, 0.2625



43.8509, 0.4193, 0.3359

# Square

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



43.8509, 0.2090, 0.2625



43.8509, 0.3196, 0.2590



43.8509, 0.4279, 0.3809



43.8509, 0.2977, 0.4169



# Rectangle

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



43.8509, 0.2090, 0.2625



43.8509, 0.2491, 0.2378



43.8509, 0.4279, 0.3809



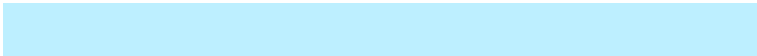
43.8509, 0.3725, 0.4332

# Sweetspot

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



43.8524, 0.2090, 0.2625



79.9470, 0.2729, 0.3120



62.7221, 0.2897, 0.5484



16.6179, 0.2679, 0.3094



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.



43.8524, 0.2090, 0.2625



46.1887, 0.2026, 0.2493



13.8576, 0.1701, 0.1184



17.2602, 0.2981, 0.3233



22.2882, 0.2031, 0.2510



2.0048, 0.2062, 0.2625



# Inverse Universe

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



23.3380, 0.3791, 0.1939



25.1939, 0.3929, 0.1938



53.0513, 0.4613, 0.4601



15.9639, 0.3174, 0.3111



12.0434, 0.3912, 0.1929

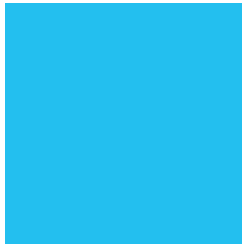


1.0171, 0.3800, 0.1867



# Previews

## White Background



This preview shows how the Yxy color 43.8509, 0.2090, 0.2625 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

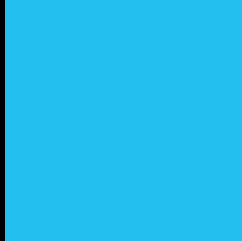
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.8509, 0.2090, 0.2625 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 43.8509, 0.2090, 0.2625**

## **Background**



This preview shows how black text looks on a background with the Yxy color 43.8509, 0.2090, 0.2625.



This preview shows how white text looks on a background with the Yxy color 43.8509, 0.2090, 0.2625.

# 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

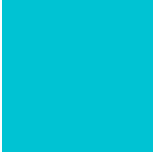
43.8509, 0.2090, 0.2625

### Protanopia

43.0595, 0.2647, 0.2616

### Deuteranopia

43.1305, 0.2484, 0.2421



## **Tritanopia**

43.7334, 0.2180, 0.3049

# Trichromacy



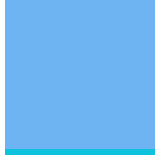
## Original Color

43.8509, 0.2090, 0.2625



## Protanomaly

42.1250, 0.2345, 0.2603



## Deuteranomaly

42.3683, 0.2264, 0.2474



## Tritanomaly

43.8896, 0.2145, 0.2896

# Monochromacy



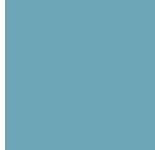
## Original Color

43.8509, 0.2090, 0.2625



## Achromatopsia

30.4987, 0.3127, 0.3290



## Achromatomaly

33.4758, 0.2535, 0.3021

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.8509, 0.2090, 0.2625 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(35, 191, 239)` looks like.

```
.text, #text, p{  
    color:rgb(35, 191, 239)  
}
```

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(35, 191, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 191, 239) }
```

## Border

The CSS property to change the border of an element to Yxy 43.8509, 0.2090, 0.2625 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(35, 191, 239) }
```

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

```
.border{ border-color:rgb(35, 191, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 191, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 191, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 191, 239);  
box-shadow:4px 4px 4px 4px rgb(35, 191,  
239) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.8509, 0.2090, 0.2625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 191, 239) }
```

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

```
.background{ background-color: rgb(35, 191,  
239) }
```

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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