

# Converting Colors

$Yxy(53.1194, 0.2462, 0.2833)$

Have a look what the booklet for  
Yxy(53.1194, 0.2462, 0.2833)  
contains.

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# Color

**Yxy(52.9560, 0.2462, 0.2834)**

# Conversions

## Conversions Part 1

Format	Color
Hex	86C9ED
RGB	134, 201, 237
RGB Percent	53%, 79%, 93%
CMY	0.4744, 0.2118, 0.0707
CMYK	0.43, 0.15, 0.00, 0.07
HSL	201°, 74%, 73%
HSV	201°, 43%, 93%
XYZ	46.0048, 52.9560, 87.8987
YIQ	185.0710, -51.4880, -3.0080

# Conversions

## Conversions Part 2

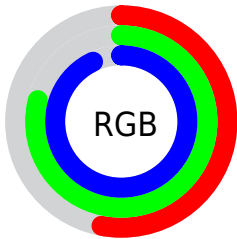
Format	Color
<a href="#">RYB</a>	<a href="#">134, 175, 237</a>
Decimal	<a href="#">8833517</a>
CIELab	<a href="#">77.85, -11.94, -24.42</a>
CIElCh	<a href="#">78, 27.181, 243.932</a>
Yxy	<a href="#">52.9560, 0.2462, 0.2834</a>
Android (android.graphics.Color)	<a href="#">4287023597</a> ( <a href="#">0xFF86C9ED</a> )
YUV	<a href="#">185.0710, 25.6010, -44.7893</a>
Hunter-Lab	<a href="#">72.7709, -14.5036, -20.6758</a>

# Details

The Yxy color **52.9560, 0.2462, 0.2834** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **48.4758, 0.4086, 0.3696**, and the grayscale version is **48.4380, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8164, 0.2757, 0.3289**, and **25.7814, 0.2295, 0.2709** is the 20% darker color. If you saturate the color by 10%, you get **47.4657, 0.2325, 0.2707**, and if you desaturate by 10%, it is **59.0948, 0.2609, 0.2954**.

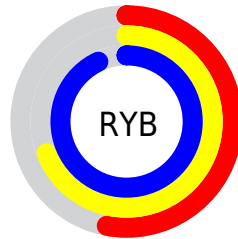
# Distribution



Red (53%)

Green (79%)

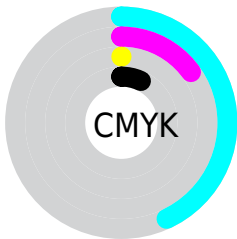
Blue (93%)



Red (53%)

Yellow (69%)

Blue (93%)

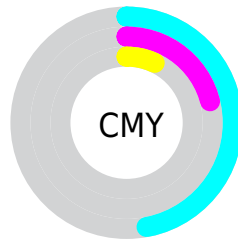


Cyan (43%)

Magenta (15%)

Yellow (0%)

Black (7%)



Cyan (47%)

Magenta (21%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.9560, 0.2462, 0.2834 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 52.9560, 0.2462, 0.2834 by changing the saturation by 10% instead.



■ 52.9560, 0.2462,  
0.2834

■ 52.9560, 0.2462,  
0.2834

■ 398.1163, 0.2778,  
0.3060

■ 37.7676, 0.2388,  
0.2779

■ 94.5396, 0.2573,  
0.2915

■ 25.8024, 0.2296,  
0.2710

■ 121.7037, 0.2616,  
0.2946

■ 16.6759, 0.2179,  
0.2619

■ 153.6284, 0.2653,  
0.2972

■ 10.0037, 0.2025,  
0.2497

■ 190.6982, 0.2685,  
0.2994

■ 5.4014, 0.1816,  
0.2324

■ 233.2976, 0.2713,  
0.3014

■ 2.4846, 0.1519,  
0.2065

■ 281.8107, 0.2737,

■ 0.8689, 0.1021,

0.3031

0.1660

336.6222, 0.2759,  
0.3046

0.0000, 0.0000,  
0.0000

52.9560, 0.2462,  
0.2834

52.9560, 0.2462,  
0.2834

47.4657, 0.2325,  
0.2707

59.0948, 0.2609,  
0.2954

42.5851, 0.2201,  
0.2575

65.9060, 0.2763,  
0.3065

38.2798, 0.2096,  
0.2439

73.4194, 0.2919,  
0.3168

34.5081, 0.2010,  
0.2304

81.6607, 0.3074,  
0.3260

31.2199, 0.1946,  
0.2170

90.6545, 0.3227,  
0.3344

■ 29.2771, 0.1912,  
0.2084

■ 96.1746, 0.3236,  
0.3423

■ 98.8931, 0.3232,  
0.3464

# Harmonies

## Analogous

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



52.9560, 0.2481, 0.3101



52.9560, 0.2462, 0.2834



52.9560, 0.2607, 0.2705

# Triad

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



52.9560, 0.2462, 0.2834



52.9560, 0.3601, 0.3119



52.9560, 0.3335, 0.3935

# Complementary

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



52.9560, 0.2462, 0.2834



48.4758, 0.4086, 0.3696

# 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.



52.9560, 0.3654, 0.3898



52.9560, 0.2462, 0.2834



52.9560, 0.3819, 0.3414

# Square

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



52.9560, 0.2462, 0.2834



52.9560, 0.3255, 0.2872



52.9560, 0.3836, 0.3699



52.9560, 0.2972, 0.3768



# Rectangle

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



52.9560, 0.2462, 0.2834



52.9560, 0.2783, 0.2701



52.9560, 0.3836, 0.3699



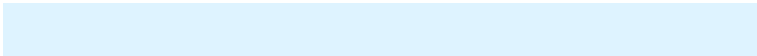
52.9560, 0.3451, 0.3944

# Sweetspot

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



52.9580, 0.2462, 0.2834



87.0758, 0.2925, 0.3171



68.4661, 0.2886, 0.4184



18.1997, 0.2890, 0.3150



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

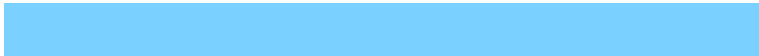


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



52.9580, 0.2462, 0.2834



56.8211, 0.2341, 0.2723



33.3790, 0.2348, 0.2164



16.1844, 0.2981, 0.3206



16.2429, 0.1918, 0.2106



1.4546, 0.1969, 0.2289



# Inverse Universe

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



39.2772, 0.3523, 0.2563



39.8641, 0.3636, 0.2427



70.8144, 0.3846, 0.4205



15.2192, 0.3191, 0.3138



11.1325, 0.4335, 0.2162

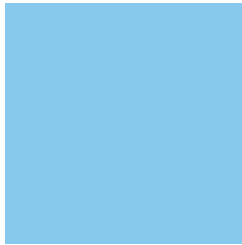


0.8923, 0.4138, 0.2053



# Previews

## White Background



This preview shows how the Yxy color 52.9560, 0.2462, 0.2834 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

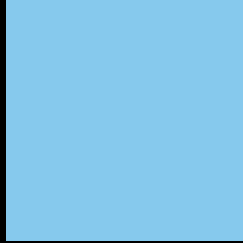
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.9560, 0.2462, 0.2834 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

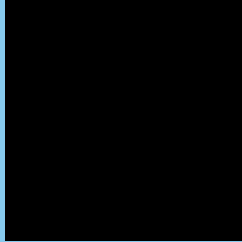
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

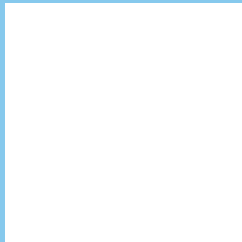
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 52.9560, 0.2462, 0.2834**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.9560, 0.2462, 0.2834.



This preview shows how white text looks on a background with the Yxy color 52.9560, 0.2462, 0.2834.

# 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

52.9560, 0.2462, 0.2834

### Protanopia

52.5513, 0.2798, 0.2823

### Deuteranopia

52.5720, 0.2740, 0.2682



## Tritanopia

53.0202, 0.2529, 0.3078

# Trichromacy



**Original Color**

52.9560, 0.2462, 0.2834

**Protanomaly**

52.4091, 0.2660, 0.2823

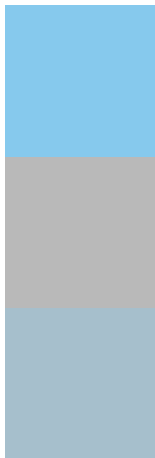
**Deuteranomaly**

52.4789, 0.2624, 0.2733

**Tritanomaly**

53.0282, 0.2506, 0.2991

# Monochromacy



**Original Color**

52.9560, 0.2462, 0.2834

**Achromatopsia**

48.5150, 0.3127, 0.3290

**Achromatomaly**

49.7282, 0.2840, 0.3121

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.9560, 0.2462, 0.2834 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(134, 201, 237)` looks like.

```
.text, #text, p{  
    color:rgb(134, 201, 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(134, 201, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 201, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 52.9560, 0.2462, 0.2834 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(134, 201, 237) }
```

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

```
.border{ border-color:rgb(134, 201, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 201, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 201, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 201, 237);  
box-shadow:4px 4px 4px 4px rgb(134, 201,  
237) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.9560, 0.2462, 0.2834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 201, 237) }
```

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

```
.background{ background-color: rgb(134,  
201, 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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