

# Converting Colors

$Y_{xy}(43.8752, 0.2285, 0.2848)$

Have a look what the booklet for  
Yxy(43.8752, 0.2285, 0.2848)  
contains.

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# Color

**Yxy(44.0258, 0.2287, 0.2852)**

# Conversions

## Conversions Part 1

Format	Color
Hex	56BEDD
RGB	86, 190, 221
RGB Percent	34%, 75%, 87%
CMY	0.6626, 0.2549, 0.1334
CMYK	0.61, 0.14, 0.00, 0.13
HSL	194°, 66%, 60%
HSV	194°, 61%, 87%
XYZ	35.3040, 44.0258, 75.0384
YIQ	162.4380, -71.9350, -12.4070

# Conversions

## Conversions Part 2

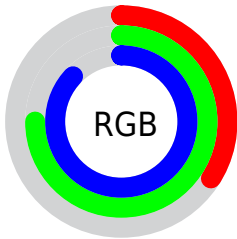
Format	Color
<a href="#">RYB</a>	<a href="#">86, 145, 221</a>
Decimal	<a href="#">5684957</a>
CIELab	<a href="#">72.25, -20.95, -24.51</a>
CIELCh	<a href="#">72, 32.247, 229.476</a>
Yxy	<a href="#">44.0258, 0.2287, 0.2852</a>
Android (android.graphics.Color)	<a href="#">4283875037</a> ( <a href="#">0xFF56BEDD</a> )
YUV	<a href="#">162.4380, 28.8711, -67.0361</a>
Hunter-Lab	<a href="#">66.3519, -21.1411, -20.6056</a>

# Details

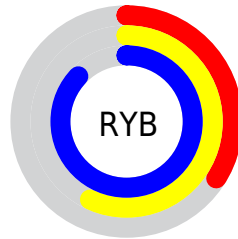
The Yxy color **44.0258, 0.2287, 0.2852** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **28.7749, 0.4792, 0.3642**, and the grayscale version is **36.2402, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.3346, 0.2532, 0.3186**, and **20.3615, 0.2085, 0.2707** is the 20% darker color. If you saturate the color by 10%, you get **40.9745, 0.2195, 0.2767**, and if you desaturate by 10%, it is **47.4812, 0.2397, 0.2935**.

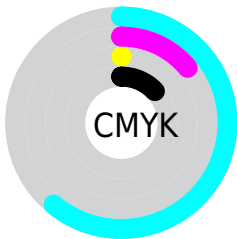
# Distribution



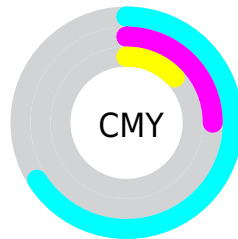
- Red (34%)
- Green (75%)
- Blue (87%)



- Red (34%)
- Yellow (57%)
- Blue (87%)



- Cyan (61%)
- Magenta (14%)
- Yellow (0%)
- Black (13%)




- Cyan (66%)
- Magenta (25%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.0258, 0.2287, 0.2852 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 44.0258, 0.2287, 0.2852 by changing the saturation by 10% instead.





 44.0258, 0.2287,  
0.2852


 44.0258, 0.2287,  
0.2852


362.8135, 0.2695,  
0.3081


 30.6908, 0.2190,  
0.2793


 81.2566, 0.2432,  
0.2937


 20.3635, 0.2068,  
0.2716


 105.9211, 0.2488,  
0.2969

 12.6596, 0.1912,  
0.2612


 135.1310, 0.2535,  
0.2995

 7.1945, 0.1705,  
0.2467

 169.2705, 0.2576,  
0.3017

 3.5841, 0.1423,  
0.2251

208.7241, 0.2612,  
0.3037

 1.4437, 0.1028,  
0.1909

253.8763, 0.2643,

 0.2486, 0.0000,

0.3053

0.0944

305.1113, 0.2671,  
0.3068

0.0000, 0.0000,  
0.0000

44.0258, 0.2287,  
0.2852

44.0258, 0.2287,  
0.2852

40.9745, 0.2195,  
0.2767

47.4812, 0.2397,  
0.2935

38.2906, 0.2121,  
0.2682

51.3635, 0.2522,  
0.3014

35.9379, 0.2068,  
0.2597

55.6995, 0.2660,  
0.3090

34.0590, 0.2034,  
0.2522

60.5118, 0.2806,  
0.3160

65.8217, 0.2957,  
0.3225

71.6487, 0.3111,  
0.3284

78.0115, 0.3264,  
0.3337

83.4104, 0.3360,  
0.3386

86.2865, 0.3353,  
0.3436

# Harmonies

## Analogous

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



44.0258, 0.2406, 0.3250



44.0258, 0.2287, 0.2852



44.0258, 0.2369, 0.2612

# Triad

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



44.0258, 0.2287, 0.2852



44.0258, 0.3525, 0.2917



44.0258, 0.3589, 0.4115

# Complementary

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



44.0258, 0.2287, 0.2852



28.7749, 0.4792, 0.3642

# 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.



44.0258, 0.3926, 0.3944



44.0258, 0.2287, 0.2852



44.0258, 0.3898, 0.3256

# Square

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



44.0258, 0.2287, 0.2852



44.0258, 0.3057, 0.2667



44.0258, 0.4046, 0.3624



44.0258, 0.3143, 0.4038



# Rectangle

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



44.0258, 0.2287, 0.2852



44.0258, 0.2531, 0.2554



44.0258, 0.4046, 0.3624



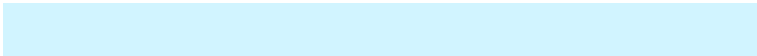
44.0258, 0.3719, 0.4082

# Sweetspot

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



44.0274, 0.2287, 0.2852



85.7674, 0.2849, 0.3180



54.9343, 0.2905, 0.4865



17.9122, 0.2805, 0.3160



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.



44.0274, 0.2287, 0.2852



55.6905, 0.2174, 0.2746



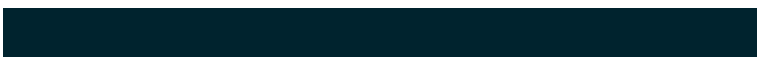
21.6860, 0.2060, 0.1851



14.2960, 0.2982, 0.3235



19.9658, 0.2038, 0.2535



1.4197, 0.2076, 0.2672



# Inverse Universe

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



25.7513, 0.3547, 0.2152



30.2638, 0.3663, 0.2005



49.8108, 0.4241, 0.4367



13.2210, 0.3173, 0.3112



10.6393, 0.3888, 0.1915



0.7020, 0.3755, 0.1842



# Previews

## White Background



This preview shows how the Yxy color 44.0258, 0.2287, 0.2852 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

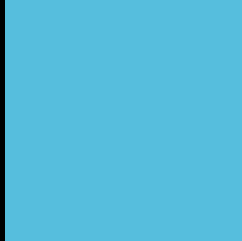
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.0258, 0.2287, 0.2852 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 44.0258, 0.2287, 0.2852**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.0258, 0.2287, 0.2852.



This preview shows how white text looks on a background with the Yxy color 44.0258, 0.2287, 0.2852.

# 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

44.0258, 0.2287, 0.2852

### Protanopia

43.2501, 0.2801, 0.2823

### Deuteranopia

43.5389, 0.2690, 0.2634



## Tritanopia

43.9588, 0.2331, 0.3055

# Trichromacy



**Original Color**

44.0258, 0.2287, 0.2852

**Protanomaly**

42.9008, 0.2567, 0.2828

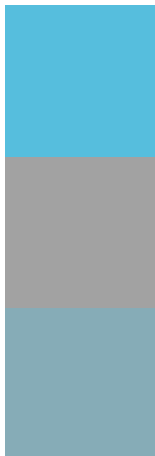
**Deuteranomaly**

43.0253, 0.2507, 0.2693

**Tritanomaly**

43.8595, 0.2312, 0.2972

# Monochromacy



**Original Color**

44.0258, 0.2287, 0.2852

**Achromatopsia**

36.1307, 0.3127, 0.3290

**Achromatomaly**

37.9923, 0.2727, 0.3127

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.0258, 0.2287, 0.2852 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(86, 190, 221)` looks like.

```
.text, #text, p{  
    color:rgb(86, 190, 221)  
}
```

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(86, 190, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 190, 221) }
```

## Border

The CSS property to change the border of an element to Yxy 44.0258, 0.2287, 0.2852 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(86, 190, 221) }
```

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

```
.border{ border-color:rgb(86, 190, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 190, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 190, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 190, 221);  
box-shadow:4px 4px 4px 4px rgb(86, 190,  
221) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.0258, 0.2287, 0.2852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 190, 221) }
```

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

```
.background{ background-color: rgb(86, 190,  
221) }
```

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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