

# Converting Colors

Yxy(54.8794, 0.2710, 0.2895)

Have a look what the booklet for  
Yxy(54.8794, 0.2710, 0.2895)  
contains.

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# Color

**Yxy(54.8156, 0.2710, 0.2890)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABC6E7
RGB	171, 198, 231
RGB Percent	67%, 78%, 91%
CMY	0.3296, 0.2235, 0.0942
CMYK	0.26, 0.14, 0.00, 0.09
HSL	213°, 56%, 79%
HSV	213°, 26%, 91%
XYZ	51.4015, 54.8156, 83.4563
YIQ	193.6890, -26.6850, 4.5390

# Conversions

## Conversions Part 2

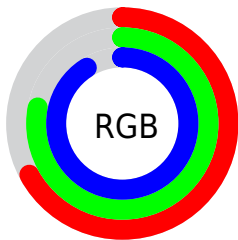
Format	Color
R <sub>Y</sub> B	171, 190, 231
Decimal	11257575
CIE Lab	78.93, -1.84, -19.35
CIE LCh	79, 19.439, 264.573
Yxy	54.8156, 0.2710, 0.2890
Android (android.graphics.Color)	4289447655 (0xFFABC6E7)
YUV	193.6890, 18.3943, -19.8983
Hunter-Lab	74.0376, -5.6399, -15.0063

# Details

The Yxy color **54.8156, 0.2710, 0.2890** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **63.0668, 0.3590, 0.3659**, and the grayscale version is **53.6524, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0709, 0.2958, 0.3290**, and **26.8932, 0.2610, 0.2787** is the 20% darker color. If you saturate the color by 10%, you get **46.8897, 0.2541, 0.2707**, and if you desaturate by 10%, it is **63.6845, 0.2876, 0.3057**.

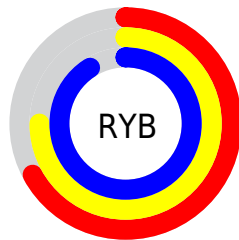
# Distribution



Red (67%)

Green (78%)

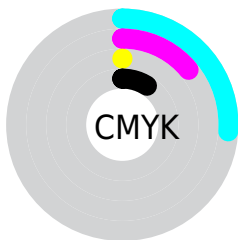
Blue (91%)



Red (67%)

Yellow (75%)

Blue (91%)

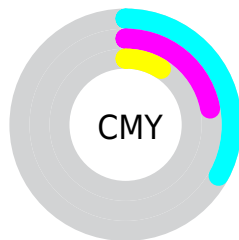


Cyan (26%)

Magenta (14%)

Yellow (0%)

Black (9%)



Cyan (33%)

Magenta (22%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.8156, 0.2710, 0.2890 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 54.8156, 0.2710, 0.2890 by changing the saturation by 10% instead.



■ 54.8156, 0.2710,  
0.2890

■ 54.8156, 0.2710,  
0.2890

405.2126, 0.2910,  
0.3083

■ 39.2541, 0.2663,  
0.2844

■ 97.2707, 0.2781,  
0.2959

■ 26.9575, 0.2603,  
0.2786

124.9332, 0.2808,  
0.2985

■ 17.5413, 0.2526,  
0.2711

157.3980, 0.2831,  
0.3007

■ 10.6212, 0.2424,  
0.2611

195.0497, 0.2851,  
0.3027

■ 5.8127, 0.2281,  
0.2470

238.2726, 0.2869,  
0.3044

■ 2.7315, 0.2069,  
0.2259

287.4511, 0.2884,

■ 0.9932, 0.1728,

0.3058

0.1915

342.9696, 0.2898,  
0.3072

0.0000, 0.0000,  
0.0000

54.8156, 0.2710,  
0.2890

54.8156, 0.2710,  
0.2890

46.8897, 0.2541,  
0.2707

63.6845, 0.2876,  
0.3057

39.8649, 0.2374,  
0.2509

73.5232, 0.3035,  
0.3208

33.7053, 0.2213,  
0.2300

84.3654, 0.3187,  
0.3342

28.3697, 0.2065,  
0.2085

94.6243, 0.3274,  
0.3463

23.8125, 0.1934,  
0.1870

98.5483, 0.3268,  
0.3523

■ 19.9822, 0.1828,  
0.1662

■ 16.8175, 0.1748,  
0.1467

■ 15.7006, 0.1721,  
0.1393

# Harmonies

## Analogous

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



54.8156, 0.2640, 0.3021



54.8156, 0.2710, 0.2890



54.8156, 0.2889, 0.2866

# Triad

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



54.8156, 0.2710, 0.2890



54.8156, 0.3580, 0.3317



54.8156, 0.3100, 0.3672

# Complementary

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



54.8156, 0.2710, 0.2890



63.0668, 0.3590, 0.3659

# 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.



54.8156, 0.3355, 0.3748



54.8156, 0.2710, 0.2890



54.8156, 0.3639, 0.3529

# Square

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



54.8156, 0.2710, 0.2890



54.8156, 0.3393, 0.3108



54.8156, 0.3555, 0.3690



54.8156, 0.2859, 0.3479



# Rectangle

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



54.8156, 0.2710, 0.2890



54.8156, 0.3050, 0.2909



54.8156, 0.3555, 0.3690



54.8156, 0.3187, 0.3712

# Sweetspot

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



54.8178, 0.2710, 0.2890



89.3947, 0.3003, 0.3178



70.1027, 0.2904, 0.3627



18.7267, 0.2979, 0.3156



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.



54.8178, 0.2710, 0.2890



63.3298, 0.2623, 0.2797



43.7541, 0.2693, 0.2551



14.9521, 0.2981, 0.3158



9.0441, 0.1729, 0.1422



0.8517, 0.1806, 0.1702



# Inverse Universe

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



50.1706, 0.3435, 0.2987



57.0242, 0.3517, 0.2924



76.7330, 0.3504, 0.3942



14.4755, 0.3222, 0.3184



10.1107, 0.5161, 0.2617

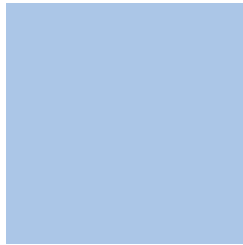


0.7657, 0.4804, 0.2420



# Previews

## White Background



This preview shows how the Yxy color 54.8156, 0.2710, 0.2890 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

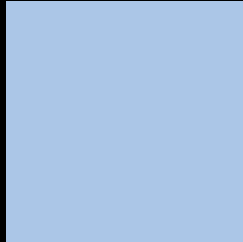
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.8156, 0.2710, 0.2890 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

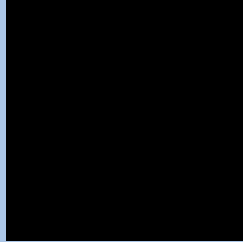
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

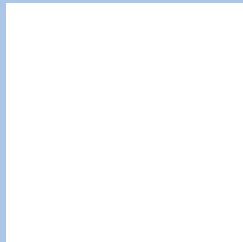
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 54.8156, 0.2710, 0.2890**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.8156, 0.2710, 0.2890.



This preview shows how white text looks on a background with the Yxy color 54.8156, 0.2710, 0.2890.

# 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

54.8156, 0.2710, 0.2890

### Protanopia

54.4327, 0.2842, 0.2875

### Deuteranopia

54.8806, 0.2867, 0.2804



## Tritanopia

54.5913, 0.2784, 0.3090

# Trichromacy



## Original Color

54.8156, 0.2710, 0.2890

## Protanomaly

54.6324, 0.2795, 0.2884

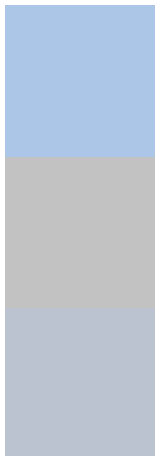
## Deuteranomaly

54.9746, 0.2810, 0.2842

## Tritanomaly

54.5023, 0.2759, 0.3017

# Monochromacy



## Original Color

54.8156, 0.2710, 0.2890

## Achromatopsia

53.9479, 0.3127, 0.3290

## Achromatomaly

53.9743, 0.2971, 0.3142

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.8156, 0.2710, 0.2890 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(171, 198, 231)` looks like.

```
.text, #text, p{  
    color:rgb(171, 198, 231)  
}
```

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(171, 198, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 198, 231) }
```

## Border

The CSS property to change the border of an element to Yxy 54.8156, 0.2710, 0.2890 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(171, 198, 231) }
```

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

```
.border{ border-color:rgb(171, 198, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 198, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 198, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 198, 231);  
box-shadow:4px 4px 4px 4px rgb(171, 198,  
231) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.8156, 0.2710, 0.2890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 198, 231) }
```

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

```
.background{ background-color: rgb(171,  
198, 231) }
```

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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