

# Converting Colors

$Yxy(55.0192, 0.2793, 0.2945)$

Have a look what the booklet for  
Yxy(55.0192, 0.2793, 0.2945)  
contains.

<b>Yxy(55.0072, 0.2794, 0.2940)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(55.0072, 0.2794, 0.2940)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3C5E2
RGB	179, 197, 226
RGB Percent	70%, 77%, 89%
CMY	0.2982, 0.2274, 0.1137
CMYK	0.21, 0.13, 0.00, 0.11
HSL	217°, 45%, 79%
HSV	217°, 21%, 89%
XYZ	52.2755, 55.0072, 79.8166
YIQ	194.9240, -20.0370, 5.2030

# Conversions

## Conversions Part 2

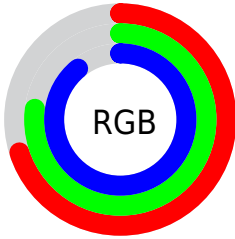
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	179, 192, 226
Decimal	11781602
CIE <sub>Lab</sub>	79.05, -0.02, -16.46
CIE <sub>LCh</sub>	79, 16.461, 269.935
Yxy	55.0072, 0.2794, 0.2940
Android (android.graphics.Color)	4289971682 (0xFFB3C5E2)
YUV	194.9240, 15.3205, -13.9653
Hunter-Lab	74.1668, -3.9785, -11.8897

# Details

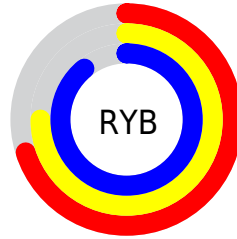
The Yxy color **55.0072, 0.2794, 0.2940** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **64.5036, 0.3479, 0.3617**, and the grayscale version is **54.4384, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7658, 0.3005, 0.3280**, and **27.0208, 0.2708, 0.2839** is the 20% darker color. If you saturate the color by 10%, you get **46.5002, 0.2622, 0.2743**, and if you desaturate by 10%, it is **64.5440, 0.2959, 0.3118**.

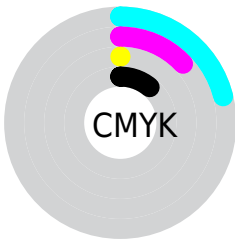
# Distribution



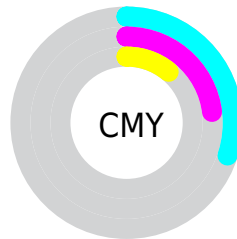
- Red (70%)
- Green (77%)
- Blue (89%)



- Red (70%)
- Yellow (75%)
- Blue (89%)



- Cyan (21%)
- Magenta (13%)
- Yellow (0%)
- Black (11%)



- Cyan (30%)
- Magenta (23%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.0072, 0.2794, 0.2940 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 55.0072, 0.2794, 0.2940 by changing the saturation by 10% instead.



■ 55.0072, 0.2794,  
0.2940

■ 55.0072, 0.2794,  
0.2940

405.9392, 0.2955,  
0.3109

■ 39.4075, 0.2756,  
0.2900

■ 97.5515, 0.2851,  
0.3000

■ 27.0769, 0.2708,  
0.2849

125.2649, 0.2873,  
0.3023

■ 17.6310, 0.2645,  
0.2784

157.7849, 0.2891,  
0.3042

■ 10.6854, 0.2562,  
0.2696

195.4961, 0.2908,  
0.3059

■ 5.8557, 0.2444,  
0.2572

238.7827, 0.2922,  
0.3074

■ 2.7575, 0.2266,  
0.2385

288.0291, 0.2934,

■ 1.0065, 0.1971,

0.3087

0.2075

343.6199, 0.2945,  
0.3099

0.0000, 0.0000,  
0.0000

55.0072, 0.2794,  
0.2940

55.0072, 0.2794,  
0.2940

46.5002, 0.2622,  
0.2743

64.5440, 0.2959,  
0.3118

38.9789, 0.2447,  
0.2528

75.1391, 0.3115,  
0.3278

32.4061, 0.2274,  
0.2298

86.8279, 0.3260,  
0.3419

26.7390, 0.2109,  
0.2060

96.8179, 0.3300,  
0.3550

21.9309, 0.1960,  
0.1820

98.2713, 0.3298,  
0.3572

■ 17.9302, 0.1832,  
0.1587

■ 14.6778, 0.1733,  
0.1371

■ 12.2717, 0.1665,  
0.1194

# Harmonies

## Analogous

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



55.0072, 0.2716, 0.3037



55.0072, 0.2794, 0.2940



55.0072, 0.2961, 0.2935

# Triad

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



55.0072, 0.2794, 0.2940



55.0072, 0.3527, 0.3348



55.0072, 0.3066, 0.3588

# Complementary

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



55.0072, 0.2794, 0.2940



64.5036, 0.3479, 0.3617

# 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.



55.0072, 0.3285, 0.3672



55.0072, 0.2794, 0.2940



55.0072, 0.3556, 0.3524

# Square

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



55.0072, 0.2794, 0.2940



55.0072, 0.3386, 0.3166



55.0072, 0.3465, 0.3645



55.0072, 0.2869, 0.3414



# Rectangle

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



55.0072, 0.2794, 0.2940



55.0072, 0.3103, 0.2981



55.0072, 0.3465, 0.3645



55.0072, 0.3140, 0.3628

# Sweetspot

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



55.0094, 0.2794, 0.2940



91.3459, 0.3035, 0.3197



68.4872, 0.2928, 0.3514



19.3568, 0.3024, 0.3186



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.



55.0094, 0.2794, 0.2940



67.3011, 0.2720, 0.2857



47.8593, 0.2814, 0.2720



14.1018, 0.2981, 0.3142



7.2136, 0.1673, 0.1223



0.6696, 0.1759, 0.1531



# Inverse Universe

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



52.4218, 0.3388, 0.3086



63.5745, 0.3457, 0.3040



73.0674, 0.3405, 0.3814



13.7872, 0.3232, 0.3200



9.6363, 0.5434, 0.2767

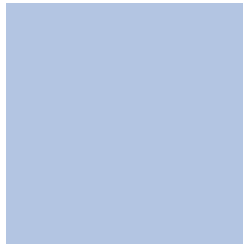


0.6850, 0.5019, 0.2538



# Previews

## White Background



This preview shows how the Yxy color 55.0072, 0.2794, 0.2940 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

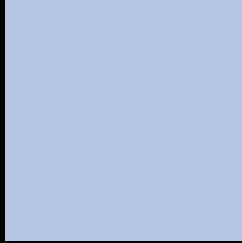
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.0072, 0.2794, 0.2940 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

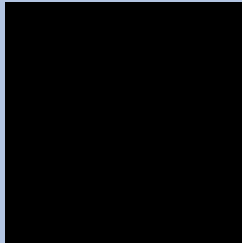
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

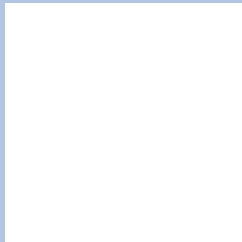
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 55.0072, 0.2794, 0.2940**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.0072, 0.2794, 0.2940.



This preview shows how white text looks on a background with the Yxy color 55.0072, 0.2794, 0.2940.

# 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

55.0072, 0.2794, 0.2940

### Protanopia

54.9125, 0.2884, 0.2934

### Deuteranopia

54.9498, 0.2930, 0.2872



## Tritanopia

55.1003, 0.2852, 0.3093

# Trichromacy



## Original Color

55.0072, 0.2794, 0.2940

## Protanomaly

54.9056, 0.2849, 0.2932

## Deuteranomaly

54.8924, 0.2878, 0.2890

## Tritanomaly

54.9676, 0.2833, 0.3033

# Monochromacy



## Original Color

55.0072, 0.2794, 0.2940

## Achromatopsia

54.5724, 0.3127, 0.3290

## Achromatomaly

54.7549, 0.3001, 0.3168

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.0072, 0.2794, 0.2940 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(179, 197, 226)` looks like.

```
.text, #text, p{  
    color:rgb(179, 197, 226)  
}
```

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(179, 197, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 197, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 55.0072, 0.2794, 0.2940 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(179, 197, 226) }
```

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

```
.border{ border-color:rgb(179, 197, 226) }
```

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

Here you see how a box with a 4 pixel rgb(179, 197, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 197, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 197, 226);  
box-shadow:4px 4px 4px 4px rgb(179, 197,  
226) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.0072, 0.2794, 0.2940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 197, 226) }
```

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

```
.background{ background-color: rgb(179,  
197, 226) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor