

Converting Colors

Yxy(54.8176, 0.2755, 0.2824)

Have a look what the booklet for
Yxy(54.8176, 0.2755, 0.2824)
contains.

Yxy(54.7945, 0.2756, 0.2827)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(54.7945, 0.2756, 0.2827)

Conversions

Conversions Part 1	
Format	Color
Hex	B5C3EA
RGB	181, 195, 234
RGB Percent	71%, 76%, 92%
CMY	0.2903, 0.2353, 0.0823
CMYK	0.23, 0.17, 0.00, 0.08
HSL	224°, 56%, 81%
HSV	224°, 23%, 92%
XYZ	53.4183, 54.7945, 85.6128
YIQ	195.2600, -20.8630, 9.1610

Conversions

Conversions Part 2

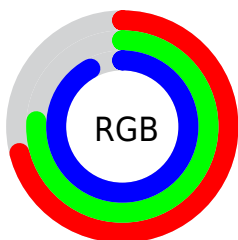
Format	Color
RYB	181, 192, 234
Decimal	11912170
CIELab	78.92, 3.47, -20.94
CIELCh	79, 21.223, 279.421
Yxy	54.7945, 0.2756, 0.2827
Android (android.graphics.Color)	4290102250 (0xFFB5C3EA)
YUV	195.2600, 19.0988, -12.5060
Hunter-Lab	74.0233, -0.7277, -16.7564

Details

The Yxy color `54.7945, 0.2756, 0.2827` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `72.0024, 0.3500, 0.3714`, and the grayscale version is `54.6284, 0.3127, 0.3290`.

A 20% lighter version of the original color is `94.2189, 0.3018, 0.3250`, and `26.7761, 0.2658, 0.2705` is the 20% darker color. If you saturate the color by 10%, you get `44.9297, 0.2574, 0.2584`, and if you desaturate by 10%, it is `66.0274, 0.2928, 0.3046`.

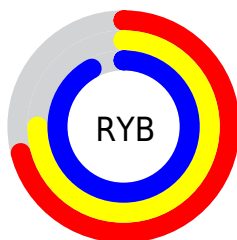
Distribution



Red (71%)

Green (76%)

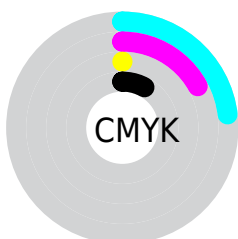
Blue (92%)



Red (71%)

Yellow (75%)

Blue (92%)

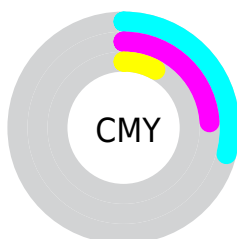


Cyan (23%)

Magenta (17%)

Yellow (0%)

Black (8%)



Cyan (29%)


Magenta (24%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 54.7945, 0.2756, 0.2827 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 54.7945, 0.2756, 0.2827 by changing the saturation by 10% instead.


 54.7945, 0.2756,
0.2827

 54.7945, 0.2756,
0.2827


405.1325, 0.2935,
0.3048

 39.2372, 0.2713,
0.2775


 97.2398, 0.2820,
0.2905

 26.9443, 0.2660,
0.2710


124.8966, 0.2844,
0.2935

 17.5314, 0.2590,
0.2626

157.3554, 0.2865,
0.2961

 10.6141, 0.2498,
0.2515

195.0005, 0.2883,
0.2983

 5.8080, 0.2368,
0.2362

238.2164, 0.2898,
0.3002

 2.7287, 0.2173,
0.2135


287.3874, 0.2912,

 0.9918, 0.1858,

0.3019

0.1777


342.8980, 0.2924,
0.3035


 0.0000, 0.0000,
0.0000

 54.7945, 0.2756,
0.2827


 54.7945, 0.2756,
0.2827

 44.9297, 0.2574,
0.2584


 66.0274, 0.2928,
0.3046


 36.3726, 0.2386,
0.2322


 78.6725, 0.3087,
0.3242

 29.0679, 0.2199,
0.2045

 92.7799, 0.3233,
0.3414

 22.9537, 0.2021,
0.1764

 98.7213, 0.3250,
0.3493

 17.9622, 0.1861,
0.1490

■ 14.0181, 0.1729,
0.1239

■ 11.0349, 0.1632,
0.1025

■ 9.3805, 0.1582,
0.0896

Harmonies

Analogous

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



54.7945, 0.2618, 0.2911



54.7945, 0.2756, 0.2827



54.7945, 0.2995, 0.2859

Triad

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



54.7945, 0.2756, 0.2827



54.7945, 0.3674, 0.3436



54.7945, 0.2960, 0.3616

Complementary

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



54.7945, 0.2756, 0.2827



72.0024, 0.3500, 0.3714

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.



54.7945, 0.3240, 0.3769



54.7945, 0.2756, 0.2827



54.7945, 0.3660, 0.3647

Square

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



54.7945, 0.2756, 0.2827



54.7945, 0.3533, 0.3200



54.7945, 0.3498, 0.3776



54.7945, 0.2732, 0.3365

Rectangle

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



54.7945, 0.2756, 0.2827



54.7945, 0.3185, 0.2939



54.7945, 0.3498, 0.3776



54.7945, 0.3051, 0.3682

Sweetspot

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



54.7967, 0.2756, 0.2827



88.6802, 0.3019, 0.3159



73.8344, 0.2870, 0.3453



18.7810, 0.3009, 0.3148



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.



54.7967, 0.2756, 0.2827



61.0420, 0.2676, 0.2722



50.3602, 0.2835, 0.2671



15.1974, 0.2980, 0.3112



5.4459, 0.1589, 0.0921



0.5809, 0.1663, 0.1186

Inverse Universe

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



54.4712, 0.3471, 0.3135



60.8187, 0.3560, 0.3103



77.6612, 0.3379, 0.3872



15.1195, 0.3251, 0.3228



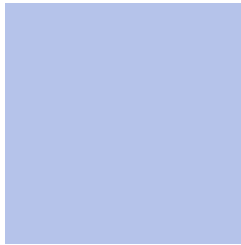
10.0426, 0.5879, 0.3013



0.8041, 0.5487, 0.2796

Previews

White Background



This preview shows how the Yxy color 54.7945, 0.2756, 0.2827 looks on a white background.

Color Contrast Check

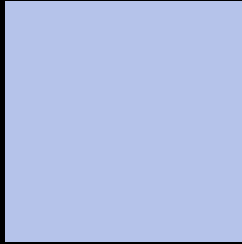
Large Text (above 18pt) WCAG AA × Fail

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 54.7945, 0.2756, 0.2827 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

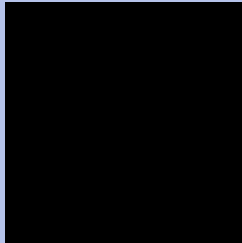
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

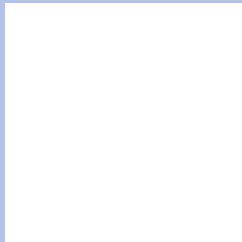
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.7945, 0.2756, 0.2827

Background



This preview shows how black text looks on a background with the Yxy color 54.7945, 0.2756, 0.2827.



This preview shows how white text looks on a background with the Yxy color 54.7945, 0.2756, 0.2827.

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

54.7945, 0.2756, 0.2827

Protanopia

54.5879, 0.2803, 0.2819

Deuteranopia

54.7291, 0.2839, 0.2781



Tritanopia

54.5903, 0.2858, 0.3092

Trichromacy



Original Color
54.7945, 0.2756, 0.2827

Protanomaly
54.7811, 0.2790, 0.2830

Deuteranomaly
54.5162, 0.2804, 0.2787

Tritanomaly
54.6179, 0.2819, 0.2997

Monochromacy



Original Color
54.7945, 0.2756, 0.2827

Achromatopsia
54.5724, 0.3127, 0.3290

Achromatomaly
54.5808, 0.2987, 0.3120

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.7945, 0.2756, 0.2827 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(181, 195, 234) looks like.

```
.text, #text, p{  
    color:rgb(181, 195, 234)  
}
```

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(181, 195, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 195, 234) }
```

Border

The CSS property to change the border of an element to Yxy 54.7945, 0.2756, 0.2827 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(181, 195, 234) }
```

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

```
.border{ border-color:rgb(181, 195, 234) }
```

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

Here you see how a box with a 4 pixel rgb(181, 195, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 195, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 195, 234);  
box-shadow:4px 4px 4px 4px rgb(181, 195,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 54.7945, 0.2756, 0.2827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 195, 234) }
```

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

```
.background{ background-color: rgb(181,  
195, 234) }
```

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