

Converting Colors

$Yxy(55.4486, 0.2532, 0.2949)$

Have a look what the booklet for
Yxy(55.4486, 0.2532, 0.2949)
contains.

Yxy(55.6885, 0.2530, 0.2950)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(55.6885, 0.2530, 0.2950)

Conversions

Conversions Part 1

Format	Color
Hex	8DCEE9
RGB	141, 206, 233
RGB Percent	55%, 81%, 91%
CMY	0.4472, 0.1921, 0.0863
CMYK	0.39, 0.12, 0.00, 0.09
HSL	198°, 68%, 73%
HSV	198°, 39%, 91%
XYZ	47.7600, 55.6885, 85.3261
YIQ	189.6430, -47.4070, -5.3830

Conversions

Conversions Part 2

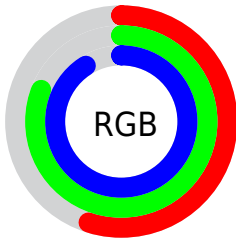
Format	Color
RYB	141, 179, 233
Decimal	9293545
CIELab	79.44, -13.86, -19.84
CIELCh	79, 24.203, 235.077
Yxy	55.6885, 0.2530, 0.2950
Android (android.graphics.Color)	4287483625 (0xFF8DCEE9)
YUV	189.6430, 21.3750, -42.6599
Hunter-Lab	74.6247, -16.3529, -15.5550

Details

The Yxy color **55.6885, 0.2530, 0.2950** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **47.2397, 0.3995, 0.3601**, and the grayscale version is **51.1695, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.7458, 0.2794, 0.3289**, and **27.6092, 0.2388, 0.2866** is the 20% darker color. If you saturate the color by 10%, you get **50.6392, 0.2395, 0.2847**, and if you desaturate by 10%, it is **61.3149, 0.2675, 0.3047**.

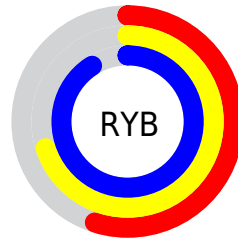
Distribution



Red (55%)

Green (81%)

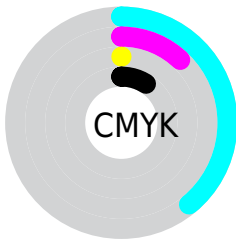
Blue (91%)



Red (55%)

Yellow (70%)

Blue (91%)

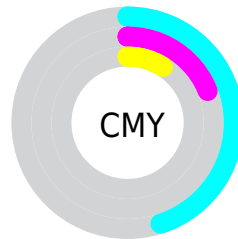


Cyan (39%)

Magenta (12%)

Yellow (0%)

Black (9%)



Cyan (45%)


Magenta (19%)

Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.6885, 0.2530, 0.2950 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 55.6885, 0.2530, 0.2950 by changing the saturation by 10% instead.


 55.6885, 0.2530,
0.2950

 55.6885, 0.2530,
0.2950

408.5165, 0.2813,
0.3119

 39.9532, 0.2464,
0.2909


 98.5490, 0.2629,
0.3011

 27.5021, 0.2382,
0.2856


 126.4430, 0.2668,
0.3034

 17.9507, 0.2278,
0.2787


159.1587, 0.2700,
0.3053

 10.9146, 0.2140,
0.2694

197.0805, 0.2729,
0.3070

 6.0094, 0.1952,
0.2560

240.5928, 0.2754,
0.3085

 2.8508, 0.1683,
0.2355

290.0799, 0.2776,

 1.0543, 0.1252,

0.3098

0.2017

345.9264, 0.2795,
0.3109

0.0000, 0.0000,
0.0000

55.6885, 0.2530,
0.2950

55.6885, 0.2530,
0.2950

50.6392, 0.2395,
0.2847

61.3149, 0.2675,
0.3047

46.1314, 0.2274,
0.2739

67.5383, 0.2826,
0.3137

42.1354, 0.2169,
0.2629

74.3858, 0.2980,
0.3219

38.6145, 0.2083,
0.2516

81.8802, 0.3135,
0.3294

35.5261, 0.2018,
0.2405

89.5714, 0.3270,
0.3361

■ 32.8017, 0.1972,
0.2295

■ 93.6758, 0.3264,
0.3427

■ 32.6710, 0.1969,
0.2290

■ 97.9334, 0.3257,
0.3492

■ 98.6635, 0.3256,
0.3503

Harmonies

Analogous

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



55.6885, 0.2592, 0.3213



55.6885, 0.2530, 0.2950



55.6885, 0.2617, 0.2795

Triad

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



55.6885, 0.2530, 0.2950



55.6885, 0.3461, 0.3069



55.6885, 0.3402, 0.3861

Complementary

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



55.6885, 0.2530, 0.2950



47.2397, 0.3995, 0.3601

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.



55.6885, 0.3653, 0.3785



55.6885, 0.2530, 0.2950



55.6885, 0.3692, 0.3324

Square

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



55.6885, 0.2530, 0.2950



55.6885, 0.3144, 0.2872



55.6885, 0.3762, 0.3584



55.6885, 0.3086, 0.3765

Rectangle

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



55.6885, 0.2530, 0.2950



55.6885, 0.2751, 0.2765



55.6885, 0.3762, 0.3584



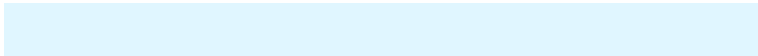
55.6885, 0.3497, 0.3853

Sweetspot

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



55.6907, 0.2530, 0.2950



89.0575, 0.2941, 0.3199



66.7331, 0.2929, 0.4150



18.8220, 0.2921, 0.3188



0.0000, 0.0000, 0.0000



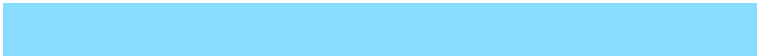
21.4041, 0.3127, 0.3290

Same Dimension

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



55.6907, 0.2530, 0.2950



63.4883, 0.2425, 0.2871



37.0022, 0.2437, 0.2347



16.3322, 0.2981, 0.3219



18.7618, 0.1974, 0.2307



1.6383, 0.2017, 0.2459

Inverse Universe

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



40.8221, 0.3424, 0.2575



43.7889, 0.3503, 0.2441



66.8680, 0.3796, 0.4080



15.2341, 0.3183, 0.3125



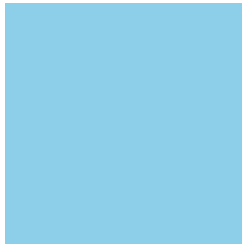
11.3868, 0.4119, 0.2043



0.9108, 0.3963, 0.1957

Previews

White Background



This preview shows how the Yxy color 55.6885, 0.2530, 0.2950 looks on a white background.

Color Contrast Check

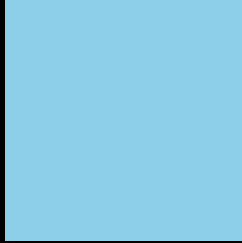
Large Text (above 18pt) WCAG AA × Fail

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 55.6885, 0.2530, 0.2950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

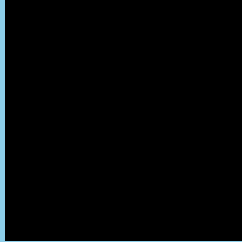
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.6885, 0.2530, 0.2950

Background



This preview shows how black text looks on a background with the Yxy color 55.6885, 0.2530, 0.2950.



This preview shows how white text looks on a background with the Yxy color 55.6885, 0.2530, 0.2950.

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

55.6885, 0.2530, 0.2950

Protanopia

55.0962, 0.2885, 0.2923

Deuteranopia

55.3575, 0.2840, 0.2783



Tritanopia

55.4964, 0.2569, 0.3071

Trichromacy



Original Color

55.6885, 0.2530, 0.2950

Protanomaly

54.8738, 0.2742, 0.2925

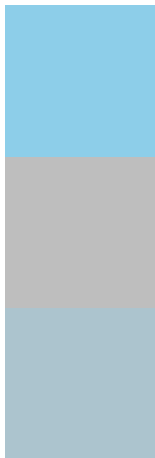
Deuteranomaly

55.0446, 0.2712, 0.2835

Tritanomaly

55.7471, 0.2558, 0.3035

Monochromacy



Original Color

55.6885, 0.2530, 0.2950

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

52.7067, 0.2874, 0.3163

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.6885, 0.2530, 0.2950 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(141, 206, 233)` looks like.

```
.text, #text, p{  
    color:rgb(141, 206, 233)  
}
```

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(141, 206, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 206, 233) }
```

Border

The CSS property to change the border of an element to Yxy 55.6885, 0.2530, 0.2950 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(141, 206, 233) }
```

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

```
.border{ border-color:rgb(141, 206, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 206, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 206, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 206, 233);  
box-shadow:4px 4px 4px 4px rgb(141, 206,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 55.6885, 0.2530, 0.2950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 206, 233) }
```

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

```
.background{ background-color: rgb(141,  
206, 233) }
```

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