

Converting Colors

$Yxy(55.4078, 0.2693, 0.2942)$

Have a look what the booklet for
Yxy(55.4078, 0.2693, 0.2942)
contains.

Yxy(55.5374, 0.2693, 0.2947)	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(55.5374, 0.2693, 0.2947)

Conversions

Conversions Part 1

Format	Color
Hex	A6C9E5
RGB	166, 201, 229
RGB Percent	65%, 79%, 90%
CMY	0.3491, 0.2117, 0.1020
CMYK	0.28, 0.12, 0.00, 0.10
HSL	207°, 55%, 77%
HSV	207°, 28%, 90%
XYZ	50.7507, 55.5374, 82.1660
YIQ	193.7270, -29.8480, 1.2880

Conversions

Conversions Part 2

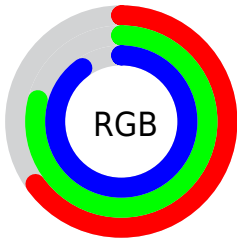
Format	Color
R_{YB}	166, 189, 229
Decimal	10930661
CIE _{Lab}	79.35, -5.35, -17.69
CIE _{LCh}	79, 18.481, 253.162
Yxy	55.5374, 0.2693, 0.2947
Android (android.graphics.Color)	4289120741 (0xFFA6C9E5)
YUV	193.7270, 17.3896, -24.3166
Hunter-Lab	74.5234, -8.8570, -13.2039

Details

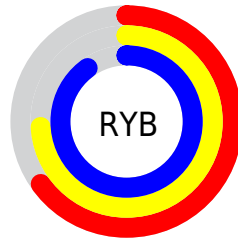
The Yxy color **55.5374, 0.2693, 0.2947** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **57.9750, 0.3640, 0.3609**, and the grayscale version is **53.6864, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **27.3953, 0.2590, 0.2863** is the 20% darker color. If you saturate the color by 10%, you get **48.6962, 0.2534, 0.2799**, and if you desaturate by 10%, it is **63.1375, 0.2853, 0.3083**.

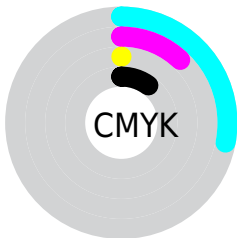
Distribution



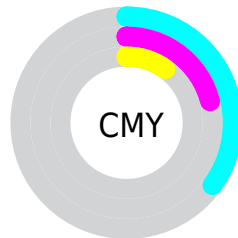
- Red (65%)
- Green (79%)
- Blue (90%)



- Red (65%)
- Yellow (74%)
- Blue (90%)



- Cyan (28%)
- Magenta (12%)
- Yellow (0%)
- Black (10%)



- Cyan (35%)
- Magenta (21%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.5374, 0.2693, 0.2947 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 55.5374, 0.2693, 0.2947 by changing the saturation by 10% instead.

■ 55.5374, 0.2693,
0.2947

■ 55.5374, 0.2693,
0.2947

407.9458, 0.2901,
0.3114

■ 39.8321, 0.2644,
0.2907

■ 98.3279, 0.2766,
0.3007

■ 27.4077, 0.2583,
0.2856

■ 126.1819, 0.2794,
0.3029

■ 17.8797, 0.2504,
0.2790

158.8543, 0.2819,
0.3049

■ 10.8636, 0.2399,
0.2702

196.7295, 0.2839,
0.3065

■ 5.9752, 0.2253,
0.2576

240.1918, 0.2858,
0.3080

■ 2.8300, 0.2036,
0.2385

289.6257, 0.2874,

■ 1.0436, 0.1691,

0.3093

0.2068

345.4156, 0.2888,
0.3104

0.0000, 0.0000,
0.0000

55.5374, 0.2693,
0.2947

55.5374, 0.2693,
0.2947

48.6962, 0.2534,
0.2799

63.1375, 0.2853,
0.3083

42.5778, 0.2379,
0.2640

71.5173, 0.3011,
0.3206

37.1527, 0.2234,
0.2473

80.7050, 0.3165,
0.3316

32.3861, 0.2104,
0.2300

90.2332, 0.3294,
0.3415

28.2394, 0.1992,
0.2125

96.4452, 0.3283,
0.3512

■ 24.6678, 0.1901,
0.1953

■ 98.4366, 0.3280,
0.3542

■ 21.6136, 0.1834,
0.1788

■ 20.9144, 0.1819,
0.1747

Harmonies

Analogous

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



55.5374, 0.2671, 0.3106



55.5374, 0.2693, 0.2947



55.5374, 0.2827, 0.2884

Triad

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



55.5374, 0.2693, 0.2947



55.5374, 0.3500, 0.3238



55.5374, 0.3196, 0.3693

Complementary

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



55.5374, 0.2693, 0.2947



57.9750, 0.3640, 0.3609

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.



55.5374, 0.3425, 0.3717



55.5374, 0.2693, 0.2947



55.5374, 0.3606, 0.3444

Square

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



55.5374, 0.2693, 0.2947



55.5374, 0.3291, 0.3051



55.5374, 0.3578, 0.3621



55.5374, 0.2955, 0.3548

Rectangle

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



55.5374, 0.2693, 0.2947



55.5374, 0.2965, 0.2900



55.5374, 0.3578, 0.3621



55.5374, 0.3277, 0.3715

Sweetspot

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



55.5396, 0.2693, 0.2947



90.6899, 0.3003, 0.3200



68.0013, 0.2929, 0.3730



19.0527, 0.2979, 0.3182



0.0000, 0.0000, 0.0000



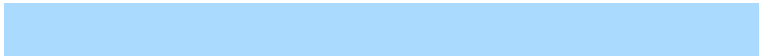
21.4041, 0.3127, 0.3290

Same Dimension

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



55.5396, 0.2693, 0.2947



65.8135, 0.2602, 0.2864



42.5788, 0.2653, 0.2552



15.2093, 0.2981, 0.3183



12.2029, 0.1826, 0.1772



1.0864, 0.1893, 0.2013

Inverse Universe

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



48.1393, 0.3399, 0.2896



55.3719, 0.3473, 0.2812



73.1459, 0.3553, 0.3934



14.5015, 0.3206, 0.3160



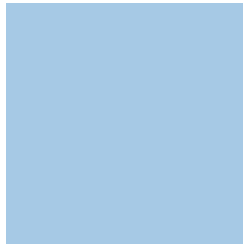
10.4296, 0.4718, 0.2373



0.7893, 0.4438, 0.2218

Previews

White Background



This preview shows how the Yxy color 55.5374, 0.2693, 0.2947 looks on a white background.

Color Contrast Check

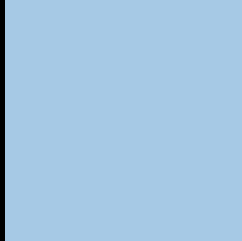
Large Text (above 18pt) WCAG AA × Fail

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 55.5374, 0.2693, 0.2947 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

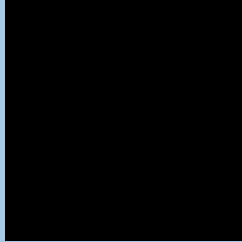
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

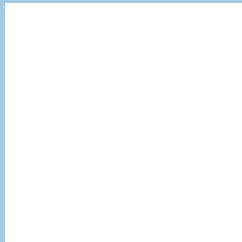
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.5374, 0.2693, 0.2947

Background



This preview shows how black text looks on a background with the Yxy color 55.5374, 0.2693, 0.2947.



This preview shows how white text looks on a background with the Yxy color 55.5374, 0.2693, 0.2947.

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

55.5374, 0.2693, 0.2947

Protanopia

55.5428, 0.2885, 0.2935

Deuteranopia

55.0369, 0.2895, 0.2828



Tritanopia

55.7189, 0.2742, 0.3090

Trichromacy



Original Color

55.5374, 0.2693, 0.2947

Protanomaly

55.3686, 0.2815, 0.2942

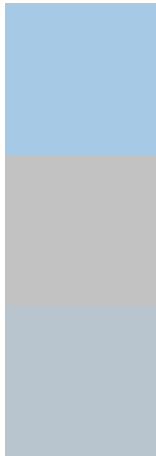
Deuteranomaly

55.1825, 0.2817, 0.2876

Tritanomaly

55.5681, 0.2723, 0.3029

Monochromacy



Original Color

55.5374, 0.2693, 0.2947

Achromatopsia

53.9479, 0.3127, 0.3290

Achromatomaly

54.6278, 0.2956, 0.3167

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.5374, 0.2693, 0.2947 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(166, 201, 229)` looks like.

```
.text, #text, p{  
    color:rgb(166, 201, 229)  
}
```

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(166, 201, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 201, 229) }
```

Border

The CSS property to change the border of an element to Yxy 55.5374, 0.2693, 0.2947 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(166, 201, 229) }
```

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

```
.border{ border-color:rgb(166, 201, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 201, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 201, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 201, 229);  
box-shadow:4px 4px 4px 4px rgb(166, 201,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 55.5374, 0.2693, 0.2947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 201, 229) }
```

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

```
.background{ background-color: rgb(166,  
201, 229) }
```

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