

Converting Colors

$Yxy(55.5523, 0.2500, 0.2635)$

Have a look what the booklet for
Yxy(55.5523, 0.2500, 0.2635)
contains.

Yxy(55.3359, 0.2498, 0.2630)	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(55.3359, 0.2498, 0.2630)

Conversions

Conversions Part 1

Format	Color
Hex	9EC7FF
RGB	158, 199, 255
RGB Percent	62%, 78%, 100%
CMY	0.3807, 0.2195, 0.0000
CMYK	0.38, 0.22, 0.00, 0.00
HSL	215°, 100%, 81%
HSV	215°, 38%, 100%
XYZ	52.5586, 55.3359, 102.5082
YIQ	193.1250, -42.4120, 8.7240

Conversions

Conversions Part 2

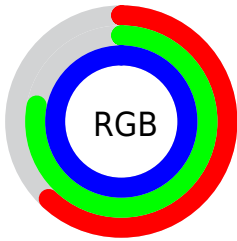
Format	Color
R _Y B	158, 187, 255
Decimal	10405887
CIE Lab	79.23, -0.10, -31.82
CIE LCh	79, 31.821, 269.829
Yxy	55.3359, 0.2498, 0.2630
Android (android.graphics.Color)	4288595967 (0xFF9EC7FF)
YUV	193.1250, 30.5044, -30.8046
Hunter-Lab	74.3881, -4.0608, -29.6310

Details

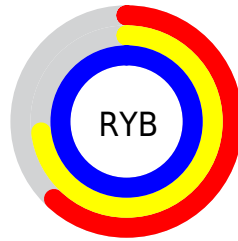
The Yxy color **55.3359, 0.2498, 0.2630** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **71.7522, 0.3849, 0.3867**, and the grayscale version is **53.2331, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1871, 0.2889, 0.3289**, and **27.2116, 0.2346, 0.2464** is the 20% darker color. If you saturate the color by 10%, you get **46.5749, 0.2328, 0.2418**, and if you desaturate by 10%, it is **65.2909, 0.2670, 0.2828**.

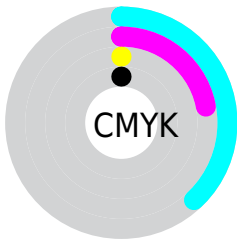
Distribution



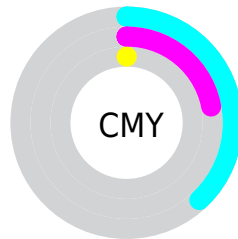
- Red (62%)
- Green (78%)
- Blue (100%)



- Red (62%)
- Yellow (73%)
- Blue (100%)



- Cyan (38%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (38%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.3359, 0.2498, 0.2630 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 55.3359, 0.2498, 0.2630 by changing the saturation by 10% instead.

■ 55.3359, 0.2498,
0.2630

■ 55.3359, 0.2498,
0.2630

407.1839, 0.2796,
0.2943

■ 39.6707, 0.2429,
0.2557

■ 98.0329, 0.2602,
0.2740

■ 27.2819, 0.2343,
0.2468

■ 125.8336, 0.2643,
0.2782

■ 17.7851, 0.2235,
0.2354

158.4481, 0.2677,
0.2818

■ 10.7958, 0.2093,
0.2205

196.2611, 0.2707,
0.2850

■ 5.9297, 0.1903,
0.2005

239.6567, 0.2734,
0.2877

■ 2.8024, 0.1635,
0.1724

289.0195, 0.2757,

■ 1.0294, 0.1247,

0.2902

0.1316

344.7337, 0.2778,
0.2924

0.0000, 0.0000,
0.0000

55.3359, 0.2498,
0.2630

55.3359, 0.2498,
0.2630

46.5749, 0.2328,
0.2418

65.2909, 0.2670,
0.2828

38.9495, 0.2164,
0.2195

76.4818, 0.2839,
0.3009

32.4057, 0.2015,
0.1968

88.9559, 0.3002,
0.3171

26.8807, 0.1886,
0.1743

99.9993, 0.3127,
0.3290

22.3032, 0.1783,
0.1529

■ 18.5829, 0.1707,
0.1334

■ 17.9436, 0.1694,
0.1299

Harmonies

Analogous

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



55.3359, 0.2359, 0.2796



55.3359, 0.2498, 0.2630



55.3359, 0.2802, 0.2631

Triad

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



55.3359, 0.2498, 0.2630



55.3359, 0.3905, 0.3380



55.3359, 0.3001, 0.3887

Complementary

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



55.3359, 0.2498, 0.2630



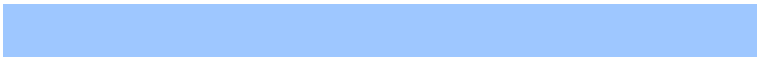
71.7522, 0.3849, 0.3867

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.



55.3359, 0.3418, 0.4046



55.3359, 0.2498, 0.2630



55.3359, 0.3957, 0.3712

Square

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



55.3359, 0.2498, 0.2630



55.3359, 0.3625, 0.3049



55.3359, 0.3772, 0.3966



55.3359, 0.2634, 0.3530

Rectangle

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



55.3359, 0.2498, 0.2630



55.3359, 0.3070, 0.2717



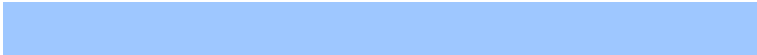
55.3359, 0.3772, 0.3966



55.3359, 0.3139, 0.3967

Sweetspot

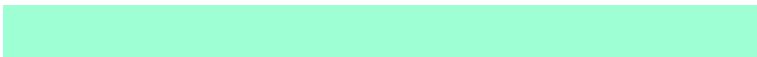
The Sweet Spot groups the original color and five complimentary colors.



55.3380, 0.2498, 0.2630



85.1763, 0.2955, 0.3126



83.5730, 0.2796, 0.3778



17.8639, 0.2933, 0.3104



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.



55.3380, 0.2498, 0.2630



48.2999, 0.2362, 0.2463



39.5754, 0.2467, 0.2139



18.6423, 0.2979, 0.3149



9.6575, 0.1703, 0.1329



1.1512, 0.1764, 0.1550

Inverse Universe

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



49.8056, 0.3667, 0.2865



42.9552, 0.3834, 0.2778



94.0295, 0.3656, 0.4254



18.1148, 0.3227, 0.3190



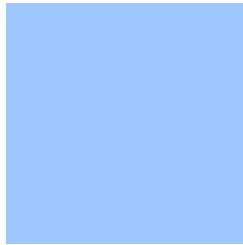
11.7029, 0.5287, 0.2686



1.1608, 0.4995, 0.2525

Previews

White Background



This preview shows how the Yxy color 55.3359, 0.2498, 0.2630 looks on a white background.

Color Contrast Check

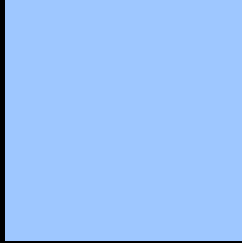
Large Text (above 18pt) WCAG AA × Fail

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 55.3359, 0.2498, 0.2630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

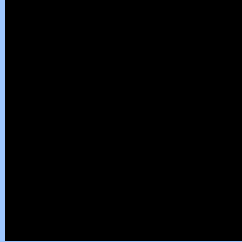
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

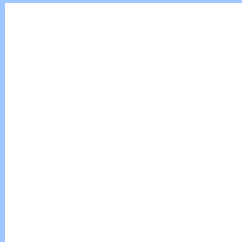
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.3359, 0.2498, 0.2630

Background



This preview shows how black text looks on a background with the Yxy color 55.3359, 0.2498, 0.2630.



This preview shows how white text looks on a background with the Yxy color 55.3359, 0.2498, 0.2630.

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

55.3359, 0.2498, 0.2630

Protanopia

55.3724, 0.2653, 0.2635

Deuteranopia

55.3050, 0.2636, 0.2584



Tritanopia

55.3671, 0.2645, 0.3086

Trichromacy



Original Color

55.3359, 0.2498, 0.2630

Protanomaly

55.3924, 0.2599, 0.2640

Deuteranomaly

55.1345, 0.2581, 0.2597

Tritanomaly

55.3674, 0.2593, 0.2918

Monochromacy



Original Color

55.3359, 0.2498, 0.2630

Achromatopsia

53.3276, 0.3127, 0.3290

Achromatomaly

53.6914, 0.2865, 0.3032

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.3359, 0.2498, 0.2630 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(158, 199, 255)` looks like.

```
.text, #text, p{  
    color:rgb(158, 199, 255)  
}
```

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(158, 199, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 199, 255) }
```

Border

The CSS property to change the border of an element to Yxy 55.3359, 0.2498, 0.2630 is called "border". The border property can be set on classes, ids or directly on the HTML element.

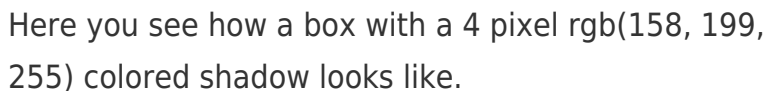
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(158, 199, 255) }
```

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

```
.border{ border-color:rgb(158, 199, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(158, 199, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 199, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 199, 255);  
box-shadow:4px 4px 4px 4px rgb(158, 199,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 55.3359, 0.2498, 0.2630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 199, 255) }
```

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

```
.background{ background-color: rgb(158,  
199, 255) }
```

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