

Converting Colors

$Yxy(55.4836, 0.2473, 0.2642)$

Have a look what the booklet for
Yxy(55.4836, 0.2473, 0.2642)
contains.

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Color

Yxy(55.3009, 0.2472, 0.2637)

Conversions

Conversions Part 1

Format	Color
Hex	99C8FF
RGB	153, 200, 255
RGB Percent	60%, 78%, 100%
CMY	0.4001, 0.2157, 0.0000
CMYK	0.40, 0.22, 0.00, 0.00
HSL	212°, 100%, 80%
HSV	212°, 40%, 100%
XYZ	51.8407, 55.3009, 102.5699
YIQ	192.2170, -45.6670, 7.1410

Conversions

Conversions Part 2

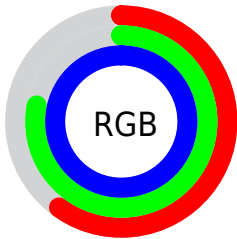
Format	Color
R _Y B	153, 185, 255
Decimal	10078463
CIE Lab	79.21, -1.89, -31.89
CIE LCh	79, 31.951, 266.617
Yxy	55.3009, 0.2472, 0.2637
Android (android.graphics.Color)	4288268543 (0xFF99C8FF)
YUV	192.2170, 30.9520, -34.3933
Hunter-Lab	74.3646, -5.7030, -29.7225

Details

The Yxy color **55.3009, 0.2472, 0.2637** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **68.6579, 0.3909, 0.3859**, and the grayscale version is **52.6789, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.4416, 0.2860, 0.3289**, and **27.1764, 0.2311, 0.2473** is the 20% darker color. If you saturate the color by 10%, you get **46.9963, 0.2307, 0.2437**, and if you desaturate by 10%, it is **64.7091, 0.2641, 0.2824**.

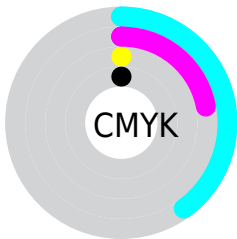
Distribution



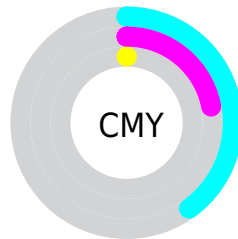
- Red (60%)
- Green (78%)
- Blue (100%)



- Red (60%)
- Yellow (73%)
- Blue (100%)



- Cyan (40%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.3009, 0.2472, 0.2637 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 55.3009, 0.2472, 0.2637 by changing the saturation by 10% instead.

■ 55.3009, 0.2472,
0.2637

■ 55.3009, 0.2472,
0.2637

407.0515, 0.2782,
0.2948

■ 39.6427, 0.2400,
0.2565

■ 97.9817, 0.2580,
0.2746

■ 27.2601, 0.2312,
0.2475

■ 125.7730, 0.2622,
0.2788

■ 17.7686, 0.2200,
0.2362

158.3776, 0.2658,
0.2824

■ 10.7840, 0.2054,
0.2213

196.1796, 0.2690,
0.2855

■ 5.9218, 0.1858,
0.2012

239.5637, 0.2717,
0.2883

■ 2.7976, 0.1584,
0.1730

288.9141, 0.2741,

■ 1.0270, 0.1190,

0.2907

0.1320

344.6152, 0.2763,
0.2928

0.0000, 0.0000,
0.0000

55.3009, 0.2472,
0.2637

55.3009, 0.2472,
0.2637

46.9963, 0.2307,
0.2437

64.7091, 0.2641,
0.2824

39.7447, 0.2151,
0.2228

75.2649, 0.2808,
0.2996

33.4929, 0.2011,
0.2015

87.0113, 0.2971,
0.3151

28.1810, 0.1891,
0.1804

99.9887, 0.3127,
0.3290

23.7399, 0.1797,
0.1602

100.0000, 0.3127,
0.3290

■ 20.0694, 0.1727,
0.1416

Harmonies

Analogous

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



55.3009, 0.2352, 0.2822



55.3009, 0.2472, 0.2637



55.3009, 0.2761, 0.2621

Triad

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



55.3009, 0.2472, 0.2637



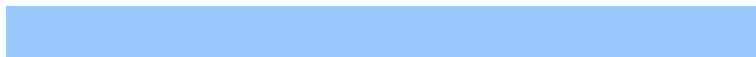
55.3009, 0.3888, 0.3343



55.3009, 0.3044, 0.3918

Complementary

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



55.3009, 0.2472, 0.2637



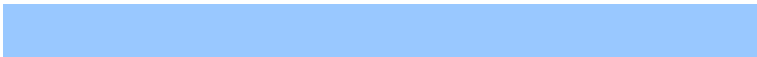
68.6579, 0.3909, 0.3859

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.



55.3009, 0.3462, 0.4052



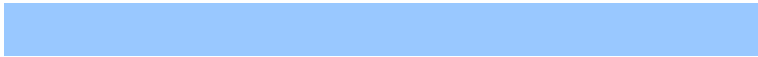
55.3009, 0.2472, 0.2637



55.3009, 0.3967, 0.3680

Square

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



55.3009, 0.2472, 0.2637



55.3009, 0.3587, 0.3015



55.3009, 0.3804, 0.3948



55.3009, 0.2666, 0.3575

Rectangle

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



55.3009, 0.2472, 0.2637



55.3009, 0.3024, 0.2697



55.3009, 0.3804, 0.3948



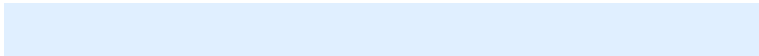
55.3009, 0.3185, 0.3990

Sweetspot

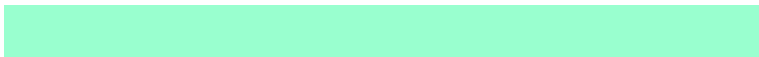
The Sweet Spot groups the original color and five complimentary colors.



55.3014, 0.2472, 0.2637



84.5749, 0.2939, 0.3121



82.8143, 0.2799, 0.3850



17.7661, 0.2918, 0.3102



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.



55.3014, 0.2472, 0.2637



48.5780, 0.2340, 0.2478



37.1014, 0.2404, 0.2063



18.7576, 0.2979, 0.3158



10.7778, 0.1735, 0.1446



1.2651, 0.1795, 0.1661

Inverse Universe

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



48.2059, 0.3668, 0.2804



41.6007, 0.3829, 0.2711



94.4399, 0.3705, 0.4293



18.1264, 0.3222, 0.3181



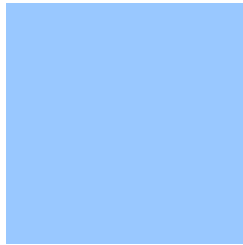
11.8160, 0.5130, 0.2600



1.1723, 0.4855, 0.2448

Previews

White Background



This preview shows how the Yxy color 55.3009, 0.2472, 0.2637 looks on a white background.

Color Contrast Check

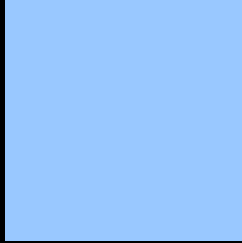
Large Text (above 18pt) WCAG AA × Fail

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 55.3009, 0.2472, 0.2637 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

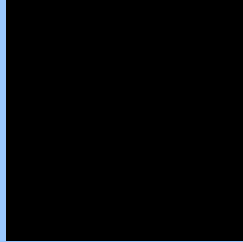
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

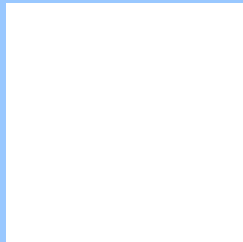
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.3009, 0.2472, 0.2637

Background



This preview shows how black text looks on a background with the Yxy color 55.3009, 0.2472, 0.2637.



This preview shows how white text looks on a background with the Yxy color 55.3009, 0.2472, 0.2637.

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

55.3009, 0.2472, 0.2637

Protanopia

54.8658, 0.2658, 0.2633

Deuteranopia

54.8644, 0.2634, 0.2572



Tritanopia

55.3458, 0.2606, 0.3085

Trichromacy



Original Color

55.3009, 0.2472, 0.2637

Protanomaly

55.1661, 0.2587, 0.2637

Deuteranomaly

54.9081, 0.2569, 0.2595

Tritanomaly

55.3293, 0.2554, 0.2916

Monochromacy



Original Color

55.3009, 0.2472, 0.2637

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

53.4015, 0.2857, 0.3043

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.3009, 0.2472, 0.2637 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(153, 200, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 200, 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(153, 200, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 200, 255) }
```

Border

The CSS property to change the border of an element to Yxy 55.3009, 0.2472, 0.2637 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(153, 200, 255) }
```

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

```
.border{ border-color:rgb(153, 200, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 200, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 200, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 200, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 200,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 55.3009, 0.2472, 0.2637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 200, 255) }
```

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

```
.background{ background-color: rgb(153,  
200, 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](#).

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