

# Converting Colors

$Yxy(56.6813, 0.2312, 0.2459)$

Have a look what the booklet for  
Yxy(56.6813, 0.2312, 0.2459)  
contains.

<b>Yxy(55.3351, 0.2400, 0.2662)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(55.3351, 0.2400, 0.2662)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8ACBFF
RGB	138, 203, 255
RGB Percent	54%, 80%, 100%
CMY	0.4587, 0.2039, 0.0001
CMYK	0.46, 0.20, 0.00, 0.00
HSL	207°, 100%, 77%
HSV	207°, 46%, 100%
XYZ	49.8889, 55.3351, 102.6464
YIQ	189.4930, -55.4320, 2.3920

# Conversions

## Conversions Part 2

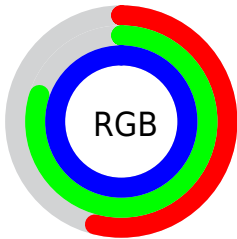
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	138, 180, 255
Decimal	9096191
CIE Lab	79.23, -7.16, -31.91
CIE LCh	79, 32.704, 257.348
Yxy	55.3351, 0.2400, 0.2662
Android (android.graphics.Color)	4287286271 (0xFF8ACBFF)
YUV	189.4930, 32.2950, -45.1594
Hunter-Lab	74.3876, -10.4651, -29.7422

# Details

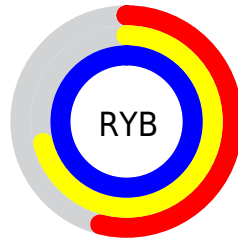
The Yxy color **55.3351, 0.2400, 0.2662** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **59.9297, 0.4107, 0.3832**, and the grayscale version is **51.0260, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.4758, 0.2784, 0.3289**, and **27.2776, 0.2226, 0.2504** is the 20% darker color. If you saturate the color by 10%, you get **48.2516, 0.2253, 0.2494**, and if you desaturate by 10%, it is **63.3247, 0.2556, 0.2821**.

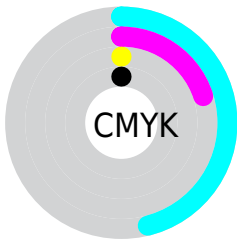
# Distribution



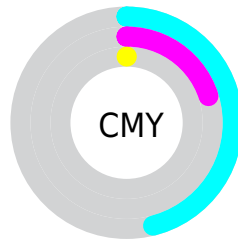
- Red (54%)
- Green (80%)
- Blue (100%)



- Red (54%)
- Yellow (71%)
- Blue (100%)



- Cyan (46%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (46%)
- Magenta (20%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.3351, 0.2400, 0.2662 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 55.3351, 0.2400, 0.2662 by changing the saturation by 10% instead.



■ 55.3351, 0.2400,  
0.2662

■ 55.3351, 0.2400,  
0.2662

407.1809, 0.2742,  
0.2964

■ 39.6701, 0.2322,  
0.2591

■ 98.0318, 0.2519,  
0.2768

■ 27.2814, 0.2225,  
0.2503

■ 125.8322, 0.2565,  
0.2809

■ 17.7847, 0.2103,  
0.2391

158.4465, 0.2605,  
0.2844

■ 10.7955, 0.1945,  
0.2243

196.2592, 0.2640,  
0.2875

■ 5.9295, 0.1735,  
0.2042

239.6546, 0.2670,  
0.2901

■ 2.8023, 0.1446,  
0.1759

289.0171, 0.2697,

■ 1.0294, 0.1040,

0.2925

0.1343

344.7310, 0.2721,  
0.2945

0.0000, 0.0000,  
0.0000

55.3351, 0.2400,  
0.2662

55.3351, 0.2400,  
0.2662

48.2516, 0.2253,  
0.2494

63.3247, 0.2556,  
0.2821

42.0234, 0.2119,  
0.2321

72.2548, 0.2717,  
0.2968

36.6030, 0.2004,  
0.2145

82.1656, 0.2878,  
0.3103

31.9334, 0.1910,  
0.1971

93.0923, 0.3037,  
0.3225

27.9460, 0.1840,  
0.1804

99.9991, 0.3127,  
0.3290

■ 26.4585, 0.1816,  
0.1736

# Harmonies

## Analogous

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



55.3351, 0.2335, 0.2902



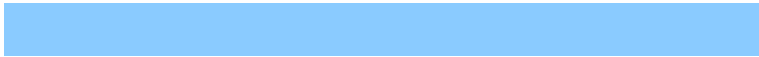
55.3351, 0.2400, 0.2662



55.3351, 0.2645, 0.2594

# Triad

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



55.3351, 0.2400, 0.2662



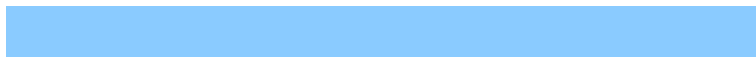
55.3351, 0.3832, 0.3236



55.3351, 0.3175, 0.4003

# Complementary

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



55.3351, 0.2400, 0.2662



59.9297, 0.4107, 0.3832

# 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.



55.3351, 0.3591, 0.4061



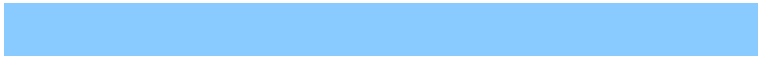
55.3351, 0.2400, 0.2662



55.3351, 0.3989, 0.3584

# Square

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



55.3351, 0.2400, 0.2662



55.3351, 0.3471, 0.2918



55.3351, 0.3895, 0.3890

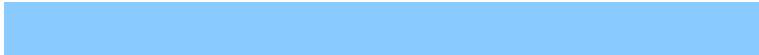


55.3351, 0.2763, 0.3706



# Rectangle

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



55.3351, 0.2400, 0.2662



55.3351, 0.2891, 0.2640



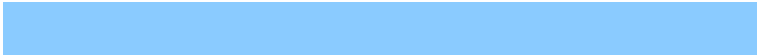
55.3351, 0.3895, 0.3890



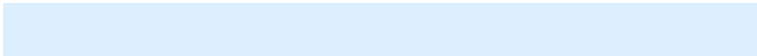
55.3351, 0.3319, 0.4051

# Sweetspot

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



55.3372, 0.2400, 0.2662



84.1363, 0.2908, 0.3126



80.5792, 0.2818, 0.4099



17.5240, 0.2873, 0.3099



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.



55.3372, 0.2400, 0.2662



48.8363, 0.2265, 0.2509



33.1314, 0.2270, 0.1939



19.0512, 0.2979, 0.3182



14.1295, 0.1823, 0.1763



1.5938, 0.1876, 0.1952



# Inverse Universe

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



43.7562, 0.3668, 0.2627



37.2995, 0.3829, 0.2509



89.7309, 0.3840, 0.4354



18.1560, 0.3207, 0.3159



12.1543, 0.4729, 0.2379

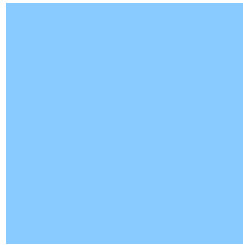


1.2054, 0.4508, 0.2257



# Previews

## White Background



This preview shows how the Yxy color 55.3351, 0.2400, 0.2662 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

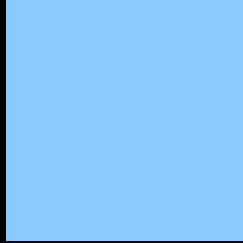
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.3351, 0.2400, 0.2662 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

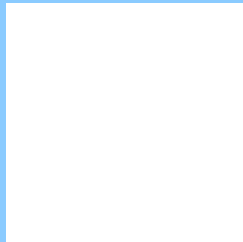
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 55.3351, 0.2400, 0.2662**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.3351, 0.2400, 0.2662.



This preview shows how white text looks on a background with the Yxy color 55.3351, 0.2400, 0.2662.

# 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

55.3351, 0.2400, 0.2662

### Protanopia

54.8623, 0.2676, 0.2655

### Deuteranopia

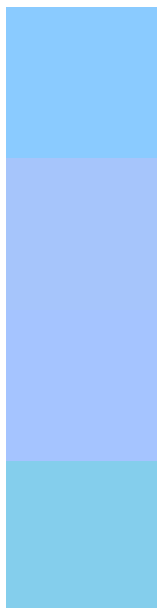
54.7430, 0.2628, 0.2571



## Tritanopia

55.2151, 0.2512, 0.3069

# Trichromacy



## Original Color

55.3351, 0.2400, 0.2662

## Protanomaly

55.0045, 0.2563, 0.2655

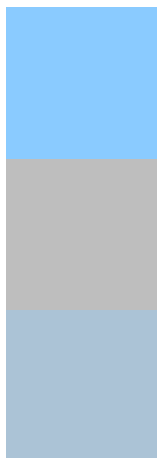
## Deuteranomaly

54.6992, 0.2534, 0.2600

## Tritanomaly

55.1043, 0.2468, 0.2910

# Monochromacy



## Original Color

55.3351, 0.2400, 0.2662

## Achromatopsia

51.4918, 0.3127, 0.3290

## Achromatomaly

52.5432, 0.2813, 0.3051

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.3351, 0.2400, 0.2662 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(138, 203, 255)` looks like.

```
.text, #text, p{  
    color:rgb(138, 203, 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(138, 203, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 203, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 55.3351, 0.2400, 0.2662 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(138, 203, 255) }
```

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

```
.border{ border-color:rgb(138, 203, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 203, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 203, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 203, 255);  
box-shadow:4px 4px 4px 4px rgb(138, 203,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.3351, 0.2400, 0.2662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 203, 255) }
```

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

```
.background{ background-color: rgb(138,  
203, 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