

Converting Colors

$Y_{xy}(56.2257, 0.2434, 0.2599)$

Have a look what the booklet for
Yxy(56.2257, 0.2434, 0.2599)
contains.

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Color

Yxy(55.9451, 0.2460, 0.2659)

Conversions

Conversions Part 1

Format	Color
Hex	96CAFF
RGB	150, 202, 255
RGB Percent	59%, 79%, 100%
CMY	0.4115, 0.2079, 0.0000
CMYK	0.41, 0.21, 0.00, 0.00
HSL	210°, 100%, 79%
HSV	210°, 41%, 100%
XYZ	51.7582, 55.9451, 102.6958
YIQ	192.4940, -48.0050, 5.4590

Conversions

Conversions Part 2

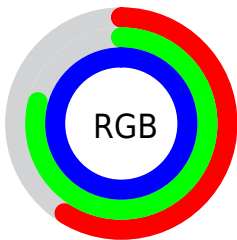
Format	Color
R _Y B	150, 185, 255
Decimal	9882367
CIE Lab	79.58, -3.69, -31.34
CIE LCh	80, 31.557, 263.285
Yxy	55.9451, 0.2460, 0.2659
Android (android.graphics.Color)	4288072447 (0xFF96CAFF)
YUV	192.4940, 30.8155, -37.2672
Hunter-Lab	74.7965, -7.3742, -29.0478

Details

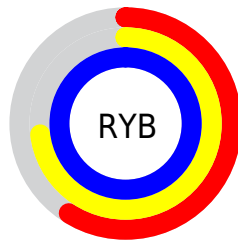
The Yxy color **55.9451, 0.2460, 0.2659** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **66.2079, 0.3951, 0.3840**, and the grayscale version is **52.8598, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.0054, 0.2844, 0.3289**, and **27.6367, 0.2299, 0.2502** is the 20% darker color. If you saturate the color by 10%, you get **47.9888, 0.2300, 0.2471**, and if you desaturate by 10%, it is **64.9338, 0.2625, 0.2835**.

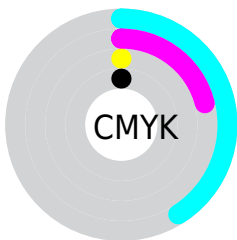
Distribution



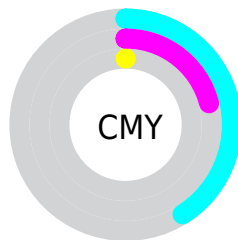
- Red (59%)
- Green (79%)
- Blue (100%)



- Red (59%)
- Yellow (73%)
- Blue (100%)



- Cyan (41%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)



- Cyan (41%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.9451, 0.2460, 0.2659 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 55.9451, 0.2460, 0.2659 by changing the saturation by 10% instead.

■ 55.9451, 0.2460,
0.2659

■ 55.9451, 0.2460,
0.2659

■ 409.4846, 0.2775,
0.2960

■ 40.1589, 0.2388,
0.2589

■ 98.9243, 0.2570,
0.2765

■ 27.6625, 0.2298,
0.2502

■ 126.8861, 0.2612,
0.2805

■ 18.0714, 0.2185,
0.2391

■ 159.6752, 0.2649,
0.2840

■ 11.0012, 0.2038,
0.2246

■ 197.6761, 0.2681,
0.2871

■ 6.0677, 0.1841,
0.2050

■ 241.2730, 0.2708,
0.2897

■ 2.8863, 0.1567,
0.1773

■ 290.8505, 0.2733,

■ 1.0727, 0.1174,

0.2921

0.1368

346.7929, 0.2755,
0.2941

0.0000, 0.0000,
0.0000

55.9451, 0.2460,
0.2659

55.9451, 0.2460,
0.2659

47.9888, 0.2300,
0.2471

64.9338, 0.2625,
0.2835

41.0160, 0.2151,
0.2275

74.9959, 0.2791,
0.2997

34.9761, 0.2017,
0.2075

86.1725, 0.2953,
0.3144

29.8114, 0.1905,
0.1877

98.5017, 0.3110,
0.3276

25.4550, 0.1817,
0.1686

100.0000, 0.3127,
0.3290

■ 22.1903, 0.1758,
0.1528

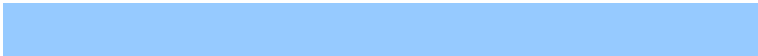
Harmonies

Analogous

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



55.9451, 0.2361, 0.2860



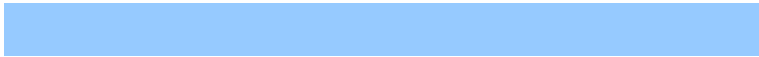
55.9451, 0.2460, 0.2659



55.9451, 0.2728, 0.2625

Triad

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



55.9451, 0.2460, 0.2659



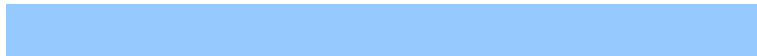
55.9451, 0.3853, 0.3305



55.9451, 0.3092, 0.3934

Complementary

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



55.9451, 0.2460, 0.2659



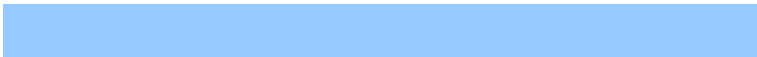
66.2079, 0.3951, 0.3840

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.



55.9451, 0.3500, 0.4039



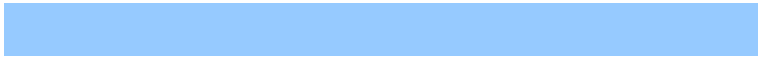
55.9451, 0.2460, 0.2659



55.9451, 0.3957, 0.3640

Square

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



55.9451, 0.2460, 0.2659



55.9451, 0.3537, 0.2987



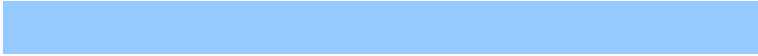
55.9451, 0.3822, 0.3915



55.9451, 0.2709, 0.3614

Rectangle

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



55.9451, 0.2460, 0.2659



55.9451, 0.2980, 0.2689



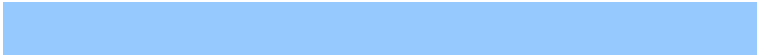
55.9451, 0.3822, 0.3915



55.9451, 0.3231, 0.3996

Sweetspot

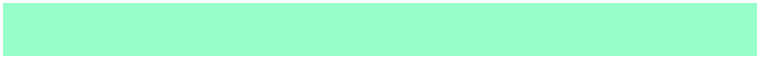
The Sweet Spot groups the original color and five complimentary colors.



55.9458, 0.2460, 0.2659



85.1826, 0.2939, 0.3132



82.2989, 0.2808, 0.3913



17.9090, 0.2918, 0.3114



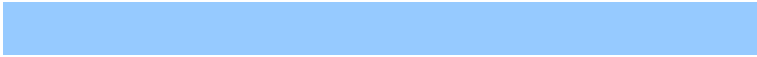
0.0000, 0.0000, 0.0000



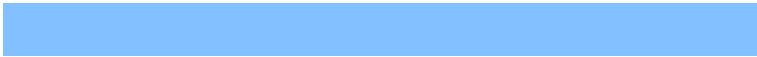
21.4041, 0.3127, 0.3290

Same Dimension

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



55.9458, 0.2460, 0.2659



49.6177, 0.2334, 0.2513



35.5407, 0.2356, 0.2015



18.8625, 0.2979, 0.3167



11.8928, 0.1766, 0.1557



1.3761, 0.1823, 0.1764

Inverse Universe

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



47.3550, 0.3655, 0.2755



41.0392, 0.3804, 0.2658



94.9839, 0.3744, 0.4310



18.1370, 0.3216, 0.3173



11.9285, 0.4986, 0.2520



1.1835, 0.4729, 0.2379

Previews

White Background



This preview shows how the Yxy color 55.9451, 0.2460, 0.2659 looks on a white background.

Color Contrast Check

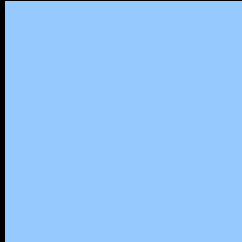
Large Text (above 18pt) WCAG AA × Fail

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 55.9451, 0.2460, 0.2659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

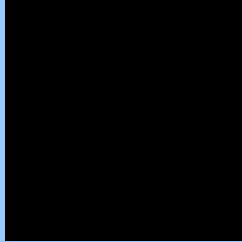
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

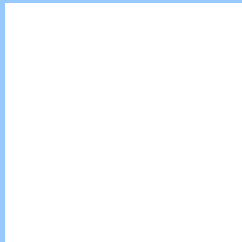
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.9451, 0.2460, 0.2659

Background



This preview shows how black text looks on a background with the Yxy color 55.9451, 0.2460, 0.2659.



This preview shows how white text looks on a background with the Yxy color 55.9451, 0.2460, 0.2659.

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

55.9451, 0.2460, 0.2659

Protanopia

55.5530, 0.2672, 0.2647

Deuteranopia

55.5503, 0.2649, 0.2587



Tritanopia

55.7582, 0.2585, 0.3072

Trichromacy



Original Color

55.9451, 0.2460, 0.2659

Protanomaly

55.6187, 0.2588, 0.2650

Deuteranomaly

55.4705, 0.2577, 0.2608

Tritanomaly

55.6805, 0.2540, 0.2916

Monochromacy



Original Color

55.9451, 0.2460, 0.2659

Achromatopsia

53.3276, 0.3127, 0.3290

Achromatomaly

53.7848, 0.2844, 0.3043

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.9451, 0.2460, 0.2659 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(150, 202, 255)` looks like.

```
.text, #text, p{  
    color:rgb(150, 202, 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(150, 202, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 202, 255) }
```

Border

The CSS property to change the border of an element to Yxy 55.9451, 0.2460, 0.2659 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(150, 202, 255) }
```

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

```
.border{ border-color:rgb(150, 202, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 202, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 202, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 202, 255);  
box-shadow:4px 4px 4px 4px rgb(150, 202,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 55.9451, 0.2460, 0.2659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 202, 255) }
```

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

```
.background{ background-color: rgb(150,  
202, 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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