

Converting Colors

$Yxy(63.3756, 0.2509, 0.2838)$

Have a look what the booklet for
Yxy(63.3756, 0.2509, 0.2838)
contains.

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Color

Yxy(63.2018, 0.2508, 0.2834)

Conversions

Conversions Part 1

Format	Color
Hex	9AD8FF
RGB	154, 216, 255
RGB Percent	60%, 85%, 100%
CMY	0.3962, 0.1529, 0.0000
CMYK	0.40, 0.15, 0.00, 0.00
HSL	203°, 100%, 80%
HSV	203°, 40%, 100%
XYZ	55.9316, 63.2018, 103.8793
YIQ	201.9080, -49.4710, -1.0150

Conversions

Conversions Part 2

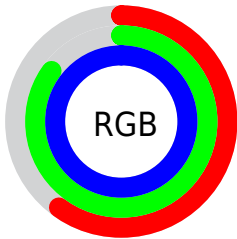
Format	Color
RYB	154, 192, 255
Decimal	10148095
CIELab	83.55, -10.09, -25.25
CIELCh	84, 27.195, 248.216
Yxy	63.2018, 0.2508, 0.2834
Android (android.graphics.Color)	4288338175 (0xFF9AD8FF)
YUV	201.9080, 26.1744, -42.0153
Hunter-Lab	79.4996, -13.5413, -21.8225

Details

The Yxy color **63.2018, 0.2508, 0.2834** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **61.7196, 0.3964, 0.3699**, and the grayscale version is **58.8565, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **32.1636, 0.2365, 0.2719** is the 20% darker color. If you saturate the color by 10%, you get **56.0675, 0.2362, 0.2695**, and if you desaturate by 10%, it is **71.1712, 0.2662, 0.2965**.

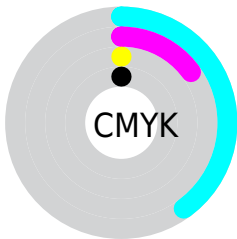
Distribution



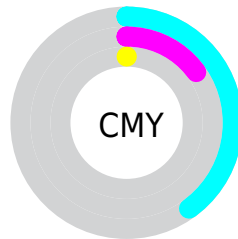
- Red (60%)
- Green (85%)
- Blue (100%)



- Red (60%)
- Yellow (75%)
- Blue (100%)



- Cyan (40%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.2018, 0.2508, 0.2834 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 63.2018, 0.2508, 0.2834 by changing the saturation by 10% instead.


 63.2018, 0.2508,
0.2834

 63.2018, 0.2508,
0.2834


436.3015, 0.2794,
0.3052

 46.0045, 0.2443,
0.2783


 109.4606, 0.2607,
0.2911

 32.2494, 0.2363,
0.2720


 139.2909, 0.2646,
0.2940

 21.5520, 0.2263,
0.2639


174.1009, 0.2679,
0.2965

 13.5281, 0.2134,
0.2532

214.2751, 0.2708,
0.2987

 7.7932, 0.1962,
0.2387

260.1979, 0.2733,
0.3006

 3.9629, 0.1723,
0.2177

312.2536, 0.2756,

 1.6528, 0.1378,

0.3023

0.1857

370.8267, 0.2776,
0.3038

■ 0.3928, 0.0384,
0.1187

■ 0.0000, 0.0000,
0.0000

■ 63.2018, 0.2508,
0.2834

■ 63.2018, 0.2508,
0.2834

■ 56.0675, 0.2362,
0.2695

■ 71.1712, 0.2662,
0.2965

■ 49.7268, 0.2227,
0.2549

■ 80.0094, 0.2820,
0.3085

■ 44.1371, 0.2109,
0.2398

■ 89.7507, 0.2978,
0.3195

■ 39.2496, 0.2010,
0.2247

100.0000, 0.3127,
0.3290

■ 35.0072, 0.1933,
0.2097

■ 31.3230, 0.1876,
0.1952

■ 31.1893, 0.1874,
0.1946

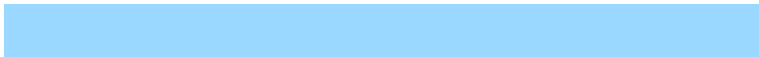
Harmonies

Analogous

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



63.2018, 0.2504, 0.3070



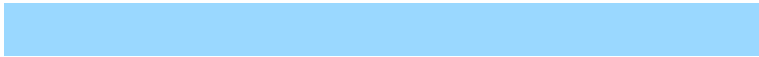
63.2018, 0.2508, 0.2834



63.2018, 0.2667, 0.2731

Triad

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



63.2018, 0.2508, 0.2834



63.2018, 0.3613, 0.3167



63.2018, 0.3275, 0.3885

Complementary

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



63.2018, 0.2508, 0.2834



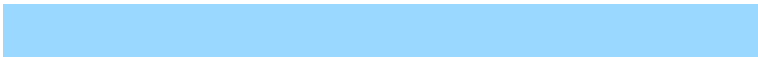
61.7196, 0.3964, 0.3699

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.



63.2018, 0.3588, 0.3880



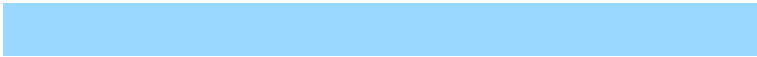
63.2018, 0.2508, 0.2834



63.2018, 0.3794, 0.3450

Square

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



63.2018, 0.2508, 0.2834



63.2018, 0.3299, 0.2923



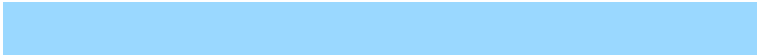
63.2018, 0.3782, 0.3711



63.2018, 0.2934, 0.3703

Rectangle

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



63.2018, 0.2508, 0.2834



63.2018, 0.2845, 0.2740



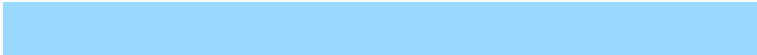
63.2018, 0.3782, 0.3711



63.2018, 0.3388, 0.3905

Sweetspot

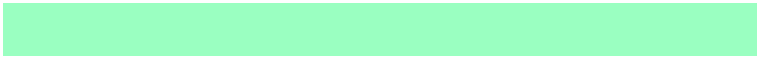
The Sweet Spot groups the original color and five complimentary colors.



63.2026, 0.2508, 0.2834



87.3454, 0.2940, 0.3170



82.2248, 0.2877, 0.4031



18.4181, 0.2920, 0.3156



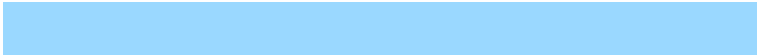
0.0000, 0.0000, 0.0000



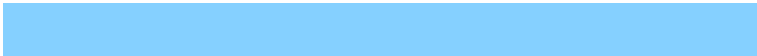
21.4041, 0.3127, 0.3290

Same Dimension

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



63.2026, 0.2508, 0.2834



57.1662, 0.2385, 0.2718



41.2743, 0.2412, 0.2214



19.2349, 0.2979, 0.3196



16.5954, 0.1881, 0.1970



1.8278, 0.1927, 0.2136

Inverse Universe

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



49.3219, 0.3513, 0.2658



42.4677, 0.3629, 0.2529



87.8217, 0.3765, 0.4175



18.1746, 0.3198, 0.3145



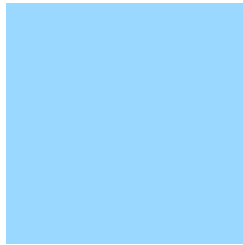
12.4033, 0.4487, 0.2245



1.2291, 0.4301, 0.2143

Previews

White Background



This preview shows how the Yxy color 63.2018, 0.2508, 0.2834 looks on a white background.

Color Contrast Check

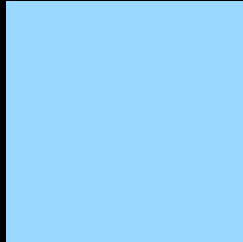
Large Text (above 18pt) WCAG AA × Fail

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 63.2018, 0.2508, 0.2834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

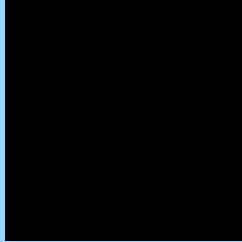
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

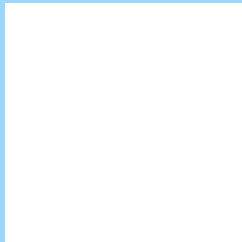
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.2018, 0.2508, 0.2834

Background



This preview shows how black text looks on a background with the Yxy color 63.2018, 0.2508, 0.2834.

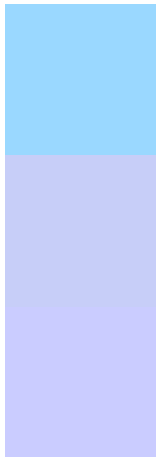


This preview shows how white text looks on a background with the Yxy color 63.2018, 0.2508, 0.2834.

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

63.2018, 0.2508, 0.2834

Protanopia

63.0620, 0.2802, 0.2824

Deuteranopia

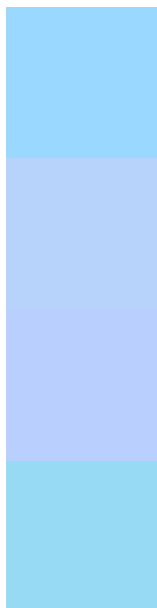
62.9623, 0.2778, 0.2733



Tritanopia

63.1670, 0.2577, 0.3071

Trichromacy



Original Color

63.2018, 0.2508, 0.2834

Protanomaly

63.1255, 0.2685, 0.2826

Deuteranomaly

62.6460, 0.2673, 0.2763

Tritanomaly

63.2538, 0.2551, 0.2979

Monochromacy



Original Color

63.2018, 0.2508, 0.2834

Achromatopsia

59.0619, 0.3127, 0.3290

Achromatomaly

60.1604, 0.2874, 0.3123

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.2018, 0.2508, 0.2834 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(154, 216, 255)` looks like.

```
.text, #text, p{  
    color:rgb(154, 216, 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(154, 216, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 216, 255) }
```

Border

The CSS property to change the border of an element to Yxy 63.2018, 0.2508, 0.2834 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(154, 216, 255) }
```

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

```
.border{ border-color:rgb(154, 216, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 216, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 216, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 216, 255);  
box-shadow:4px 4px 4px 4px rgb(154, 216,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 63.2018, 0.2508, 0.2834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 216, 255) }
```

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

```
.background{ background-color: rgb(154,  
216, 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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