

Converting Colors

$Yxy(67.8664, 0.2271, 0.2312)$

Have a look what the booklet for
Yxy(67.8664, 0.2271, 0.2312)
contains.

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Color

Yxy(63.7157, 0.2510, 0.2846)

Conversions

Conversions Part 1

Format	Color
Hex	9AD9FF
RGB	154, 217, 255
RGB Percent	60%, 85%, 100%
CMY	0.3961, 0.1490, 0.0000
CMYK	0.40, 0.15, 0.00, 0.00
HSL	203°, 100%, 80%
HSV	203°, 40%, 100%
XYZ	56.1934, 63.7157, 103.9690
YIQ	202.4950, -49.7460, -1.5380

Conversions

Conversions Part 2

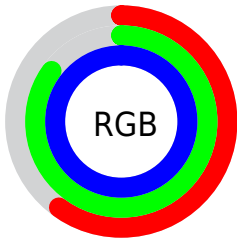
Format	Color
RYB	154, 193, 255
Decimal	10148351
CIELab	83.82, -10.60, -24.85
CIElCh	84, 27.012, 246.896
Yxy	63.7157, 0.2510, 0.2846
Android (android.graphics.Color)	4288338431 (0xFF9AD9FF)
YUV	202.4950, 25.8850, -42.5301
Hunter-Lab	79.8221, -14.0278, -21.3502

Details

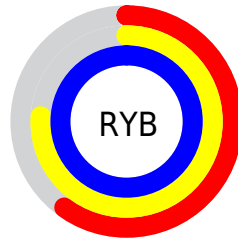
The Yxy color **63.7157, 0.2510, 0.2846** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **61.2959, 0.3968, 0.3689**, and the grayscale version is **59.2470, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **32.5145, 0.2368, 0.2735** is the 20% darker color. If you saturate the color by 10%, you get **56.6706, 0.2365, 0.2711**, and if you desaturate by 10%, it is **71.5808, 0.2663, 0.2973**.

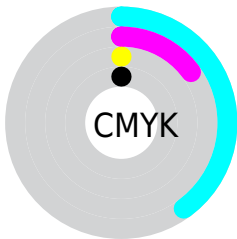
Distribution



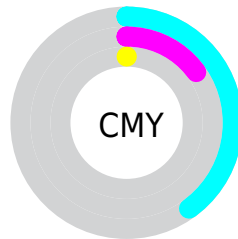
- Red (60%)
- Green (85%)
- Blue (100%)



- Red (60%)
- Yellow (76%)
- 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 63.7157, 0.2510, 0.2846 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 63.7157, 0.2510, 0.2846 by changing the saturation by 10% instead.

63.7157, 0.2510,
0.2846

63.7157, 0.2510,
0.2846

438.1623, 0.2795,
0.3058

46.4204, 0.2446,
0.2796

110.2014, 0.2608,
0.2921

32.5777, 0.2366,
0.2735

140.1606, 0.2647,
0.2949

21.8032, 0.2267,
0.2656

175.1100, 0.2680,
0.2974

13.7123, 0.2139,
0.2552

215.4338, 0.2709,
0.2995

7.9209, 0.1968,
0.2410

261.5166, 0.2734,
0.3014

4.0444, 0.1731,
0.2205

313.7427, 0.2757,

1.6984, 0.1389,

0.3030

0.1891

372.4964, 0.2777,
0.3045

0.4226, 0.0425,
0.1257

0.0000, 0.0000,
0.0000

63.7157, 0.2510,
0.2846

63.7157, 0.2510,
0.2846

56.6706, 0.2365,
0.2711

71.5808, 0.2663,
0.2973

50.4053, 0.2232,
0.2569

80.3001, 0.2820,
0.3091

44.8773, 0.2115,
0.2422

89.9073, 0.2978,
0.3197

40.0384, 0.2017,
0.2275

100.0000, 0.3127,
0.3290

■ 35.8317, 0.1942,
0.2129

■ 32.1711, 0.1886,
0.1987

■ 32.0340, 0.1884,
0.1981

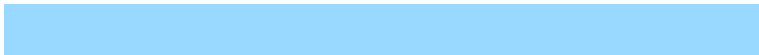
Harmonies

Analogous

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



63.7157, 0.2513, 0.3086



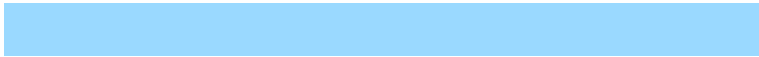
63.7157, 0.2510, 0.2846



63.7157, 0.2661, 0.2737

Triad

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



63.7157, 0.2510, 0.2846



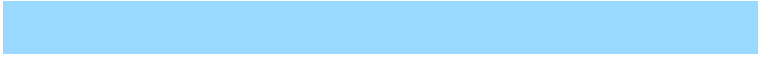
63.7157, 0.3597, 0.3157



63.7157, 0.3289, 0.3883

Complementary

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



63.7157, 0.2510, 0.2846



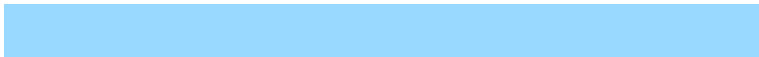
61.2959, 0.3968, 0.3689

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.



63.7157, 0.3595, 0.3870



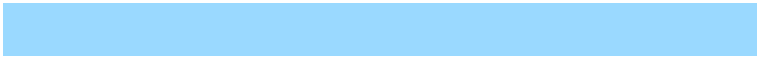
63.7157, 0.2510, 0.2846



63.7157, 0.3783, 0.3436

Square

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



63.7157, 0.2510, 0.2846



63.7157, 0.3282, 0.2918



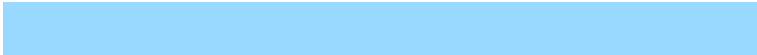
63.7157, 0.3781, 0.3698



63.7157, 0.2950, 0.3711

Rectangle

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



63.7157, 0.2510, 0.2846



63.7157, 0.2835, 0.2742



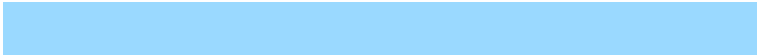
63.7157, 0.3781, 0.3698



63.7157, 0.3400, 0.3900

Sweetspot

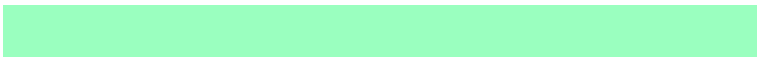
The Sweet Spot groups the original color and five complimentary colors.



63.7162, 0.2510, 0.2846



87.5239, 0.2940, 0.3173



82.1540, 0.2885, 0.4052



18.4602, 0.2920, 0.3159



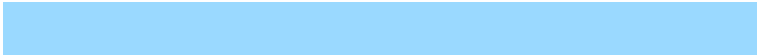
0.0000, 0.0000, 0.0000



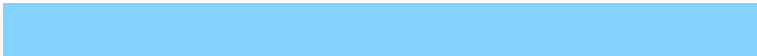
21.4041, 0.3127, 0.3290

Same Dimension

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



63.7162, 0.2510, 0.2846



57.7478, 0.2388, 0.2733



41.9017, 0.2415, 0.2235



19.2655, 0.2979, 0.3198



17.0351, 0.1890, 0.2005



1.8690, 0.1935, 0.2167

Inverse Universe

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



49.3833, 0.3504, 0.2649



42.5264, 0.3617, 0.2518



86.8207, 0.3770, 0.4160



18.1777, 0.3196, 0.3143



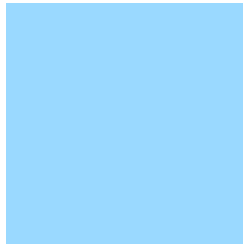
12.4477, 0.4447, 0.2224



1.2332, 0.4268, 0.2125

Previews

White Background



This preview shows how the Yxy color 63.7157, 0.2510, 0.2846 looks on a white background.

Color Contrast Check

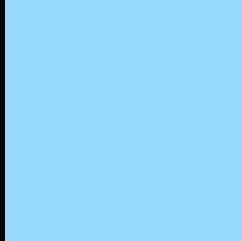
Large Text (above 18pt) WCAG AA × Fail

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 63.7157, 0.2510, 0.2846 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

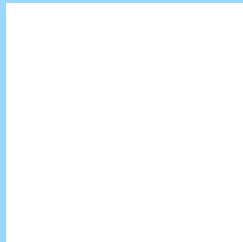
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.7157, 0.2510, 0.2846

Background



This preview shows how black text looks on a background with the Yxy color 63.7157, 0.2510, 0.2846.

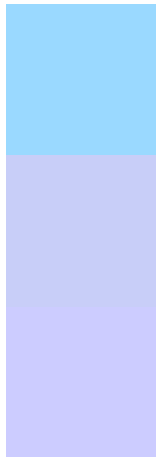


This preview shows how white text looks on a background with the Yxy color 63.7157, 0.2510, 0.2846.

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

63.7157, 0.2510, 0.2846

Protanopia

63.1993, 0.2809, 0.2825

Deuteranopia

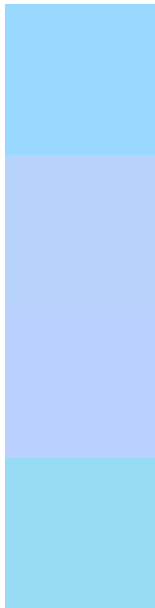
63.2431, 0.2792, 0.2735



Tritanopia

63.7490, 0.2574, 0.3072

Trichromacy



Original Color

63.7157, 0.2510, 0.2846

Protanomaly

63.1255, 0.2685, 0.2826

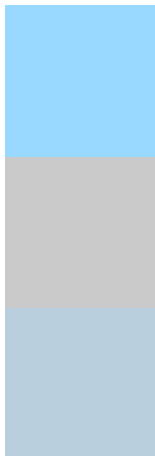
Deuteranomaly

63.2600, 0.2680, 0.2775

Tritanomaly

63.7740, 0.2552, 0.2991

Monochromacy



Original Color

63.7157, 0.2510, 0.2846

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 63.7157, 0.2510, 0.2846 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, 217, 255)` looks like.

```
.text, #text, p{  
    color:rgb(154, 217, 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, 217, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 217, 255) }
```

Border

The CSS property to change the border of an element to Yxy 63.7157, 0.2510, 0.2846 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, 217, 255) }
```

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

```
.border{ border-color:rgb(154, 217, 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, 217, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 217, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 217, 255);  
box-shadow:4px 4px 4px 4px rgb(154, 217,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 63.7157, 0.2510, 0.2846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 217, 255) }
```

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

```
.background{ background-color: rgb(154,  
217, 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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