

# Converting Colors

$Yxy(63.2699, 0.2451, 0.2856)$

Have a look what the booklet for  
Yxy(63.2699, 0.2451, 0.2856)  
contains.

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# Color

**Yxy(63.1136, 0.2452, 0.2852)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8EDAFF
RGB	142, 218, 255
RGB Percent	56%, 85%, 100%
CMY	0.4435, 0.1450, 0.0000
CMYK	0.44, 0.14, 0.00, 0.00
HSL	200°, 100%, 78%
HSV	200°, 44%, 100%
XYZ	54.2618, 63.1136, 103.9206
YIQ	199.4940, -57.1730, -4.6050

# Conversions

## Conversions Part 2

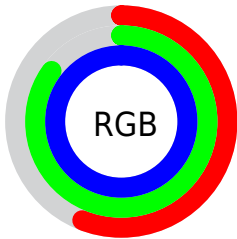
Format	Color
R <sub>Y</sub> B	142, 187, 255
Decimal	9362175
CIE Lab	83.50, -14.10, -25.36
CIE LCh	84, 29.017, 240.917
Yxy	63.1136, 0.2452, 0.2852
Android (android.graphics.Color)	4287552255 (0xFF8EDAFF)
YUV	199.4940, 27.3645, -50.4222
Hunter-Lab	79.4441, -17.1083, -21.9462

# Details

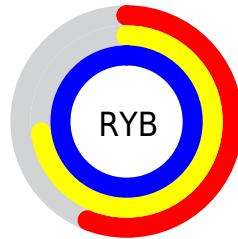
The Yxy color **63.1136, 0.2452, 0.2852** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **55.3945, 0.4131, 0.3679**, and the grayscale version is **57.2749, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.0194, 0.2805, 0.3289**, and **32.1564, 0.2297, 0.2741** is the 20% darker color. If you saturate the color by 10%, you get **56.8991, 0.2319, 0.2733**, and if you desaturate by 10%, it is **70.0660, 0.2597, 0.2965**.

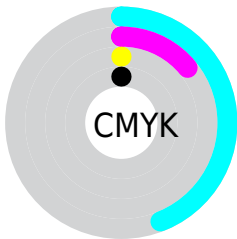
# Distribution



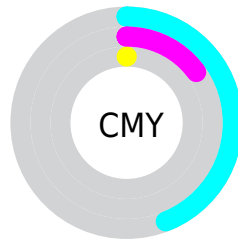
- Red (56%)
- Green (85%)
- Blue (100%)



- Red (56%)
- Yellow (73%)
- Blue (100%)



- Cyan (44%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)




- Cyan (44%)
- Magenta (15%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.1136, 0.2452, 0.2852 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 63.1136, 0.2452, 0.2852 by changing the saturation by 10% instead.





 63.1136, 0.2452,  
0.2852


 63.1136, 0.2452,  
0.2852


435.9816, 0.2763,  
0.3063

 45.9331, 0.2382,  
0.2802


 109.3334, 0.2559,  
0.2927

 32.1930, 0.2296,  
0.2740


 139.1415, 0.2601,  
0.2955

 21.5090, 0.2188,  
0.2660


173.9276, 0.2638,  
0.2980

 13.4966, 0.2049,  
0.2555

214.0760, 0.2669,  
0.3001

 7.7714, 0.1865,  
0.2409

259.9713, 0.2697,  
0.3019

 3.9490, 0.1613,  
0.2199

311.9977, 0.2722,

 1.6451, 0.1253,

0.3036

0.1875

370.5397, 0.2743,  
0.3050

0.3877, 0.0075,  
0.1210

0.0000, 0.0000,  
0.0000

63.1136, 0.2452,  
0.2852

63.1136, 0.2452,  
0.2852

56.8991, 0.2319,  
0.2733

70.0660, 0.2597,  
0.2965

51.3766, 0.2200,  
0.2609

77.7844, 0.2748,  
0.3070

46.5048, 0.2099,  
0.2482

86.3040, 0.2904,  
0.3167

42.2339, 0.2019,  
0.2356

95.6552, 0.3060,  
0.3255

■ 38.5033, 0.1960,  
0.2231

99.9994, 0.3127,  
0.3290

■ 36.5874, 0.1934,  
0.2162

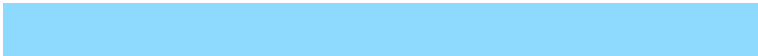
# Harmonies

## Analogous

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



63.1136, 0.2488, 0.3132



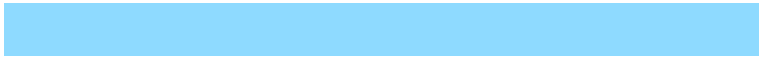
63.1136, 0.2452, 0.2852



63.1136, 0.2582, 0.2707

# Triad

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



63.1136, 0.2452, 0.2852



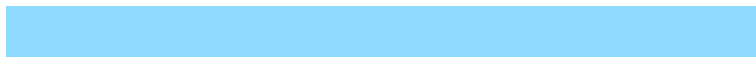
63.1136, 0.3574, 0.3090



63.1136, 0.3372, 0.3945

# Complementary

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



63.1136, 0.2452, 0.2852



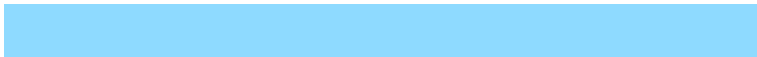
55.3945, 0.4131, 0.3679

# 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.



63.1136, 0.3684, 0.3888



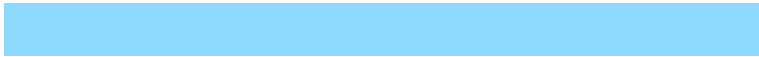
63.1136, 0.2452, 0.2852



63.1136, 0.3810, 0.3384

# Square

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



63.1136, 0.2452, 0.2852



63.1136, 0.3218, 0.2850



63.1136, 0.3849, 0.3675

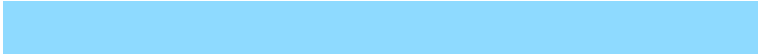


63.1136, 0.3006, 0.3797



# Rectangle

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



63.1136, 0.2452, 0.2852



63.1136, 0.2751, 0.2694



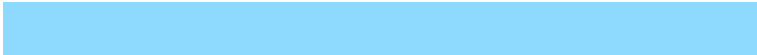
63.1136, 0.3849, 0.3675



63.1136, 0.3487, 0.3948

# Sweetspot

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



63.1160, 0.2452, 0.2852



87.5260, 0.2925, 0.3179



80.4583, 0.2890, 0.4235



18.3113, 0.2891, 0.3159



0.0000, 0.0000, 0.0000

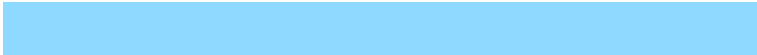


21.4041, 0.3127, 0.3290

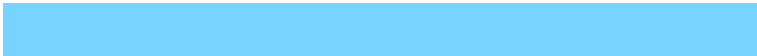


# Same Dimension

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



63.1160, 0.2452, 0.2852



57.7027, 0.2336, 0.2749



39.0251, 0.2331, 0.2154



19.4218, 0.2980, 0.3210



19.4033, 0.1940, 0.2182



2.0887, 0.1979, 0.2323



# Inverse Universe

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



45.6372, 0.3511, 0.2521



39.3511, 0.3617, 0.2385



82.2000, 0.3873, 0.4210



18.1934, 0.3188, 0.3131



12.6867, 0.4252, 0.2116

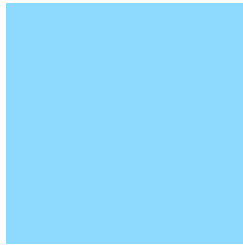


1.2554, 0.4102, 0.2033



# Previews

## White Background



This preview shows how the Yxy color 63.1136, 0.2452, 0.2852 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

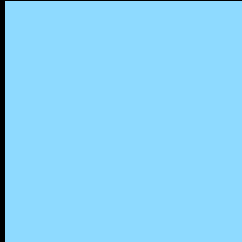
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.1136, 0.2452, 0.2852 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

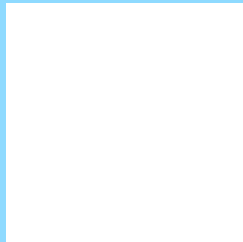
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 63.1136, 0.2452, 0.2852**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.1136, 0.2452, 0.2852.



This preview shows how white text looks on a background with the Yxy color 63.1136, 0.2452, 0.2852.

# 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

63.1136, 0.2452, 0.2852

### Protanopia

62.4586, 0.2813, 0.2833

### Deuteranopia

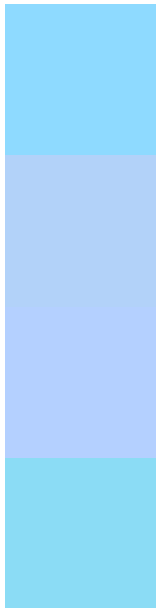
62.4884, 0.2778, 0.2722



## Tritanopia

63.2633, 0.2510, 0.3069

# Trichromacy



**Original Color**

63.1136, 0.2452, 0.2852

**Protanomaly**

62.3977, 0.2666, 0.2843

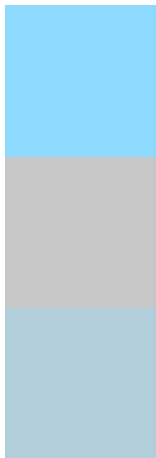
**Deuteranomaly**

62.0350, 0.2642, 0.2758

**Tritanomaly**

63.2679, 0.2489, 0.2987

# Monochromacy



**Original Color**

63.1136, 0.2452, 0.2852

**Achromatopsia**

57.1125, 0.3127, 0.3290

**Achromatomaly**

58.7221, 0.2838, 0.3132

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.1136, 0.2452, 0.2852 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(142, 218, 255)` looks like.

```
.text, #text, p{  
    color:rgb(142, 218, 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(142, 218, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 218, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 63.1136, 0.2452, 0.2852 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(142, 218, 255) }
```

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

```
.border{ border-color:rgb(142, 218, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 218, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(142, 218, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(142, 218, 255); box-shadow:4px 4px 4px 4px rgb(142, 218, 255) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.1136, 0.2452, 0.2852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 218, 255) }
```

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

```
.background{ background-color: rgb(142,  
218, 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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