

# Converting Colors

$Yxy(63.4452, 0.2504, 0.2842)$

Have a look what the booklet for  
Yxy(63.4452, 0.2504, 0.2842)  
contains.

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# Color

**Yxy(63.6180, 0.2505, 0.2846)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99D9FF
RGB	153, 217, 255
RGB Percent	60%, 85%, 100%
CMY	0.4000, 0.1490, 0.0001
CMYK	0.40, 0.15, 0.00, 0.00
HSL	202°, 100%, 80%
HSV	202°, 40%, 100%
XYZ	55.9955, 63.6180, 103.9213
YIQ	202.1960, -50.3420, -1.7500

# Conversions

## Conversions Part 2

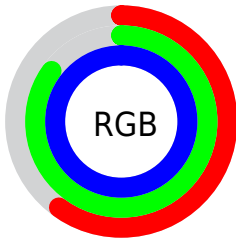
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	153, 192, 255
Decimal	10082815
CIE Lab	83.77, -10.87, -24.90
CIE LCh	84, 27.174, 246.414
Yxy	63.6180, 0.2505, 0.2846
Android (android.graphics.Color)	4288272895 (0xFF99D9FF)
YUV	202.1960, 26.0324, -43.1449
Hunter-Lab	79.7609, -14.2671, -21.4170

# Details

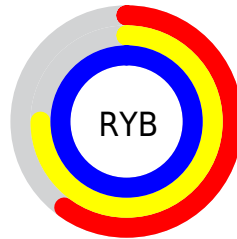
The Yxy color **63.6180, 0.2505, 0.2846** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **60.8031, 0.3980, 0.3689**, and the grayscale version is **59.0490, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.4416, 0.2860, 0.3289**, and **32.4593, 0.2362, 0.2734** is the 20% darker color. If you saturate the color by 10%, you get **56.6443, 0.2361, 0.2712**, and if you desaturate by 10%, it is **71.4082, 0.2658, 0.2972**.

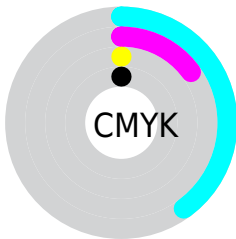
# Distribution



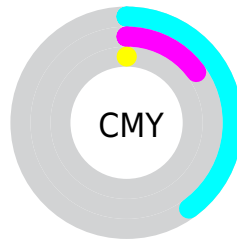
- Red (60%)
- Green (85%)
- Blue (100%)



- 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 63.6180, 0.2505, 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 63.6180, 0.2505, 0.2846 by changing the saturation by 10% instead.





 63.6180, 0.2505,  
0.2846


 63.6180, 0.2505,  
0.2846


437.8089, 0.2792,  
0.3058

 46.3413, 0.2440,  
0.2796

 110.0606, 0.2604,  
0.2921

 32.5153, 0.2360,  
0.2734


 139.9954, 0.2643,  
0.2949

 21.7554, 0.2260,  
0.2655


174.9183, 0.2676,  
0.2974

 13.6773, 0.2131,  
0.2551

215.2137, 0.2706,  
0.2995

 7.8965, 0.1959,  
0.2409

261.2661, 0.2731,  
0.3014

 4.0288, 0.1720,  
0.2203

313.4598, 0.2754,

 1.6897, 0.1376,

0.3030

0.1888

372.1793, 0.2774,  
0.3045

0.4170, 0.0392,  
0.1248

0.0000, 0.0000,  
0.0000

63.6180, 0.2505,  
0.2846

63.6180, 0.2505,  
0.2846

56.6443, 0.2361,  
0.2712

71.4082, 0.2658,  
0.2972

50.4411, 0.2229,  
0.2571

80.0432, 0.2814,  
0.3088

44.9679, 0.2113,  
0.2426

89.5587, 0.2972,  
0.3194

40.1762, 0.2017,  
0.2280

99.9856, 0.3127,  
0.3290

■ 36.0091, 0.1943,  
0.2136

99.9990, 0.3127,  
0.3290

■ 32.3765, 0.1888,  
0.1996

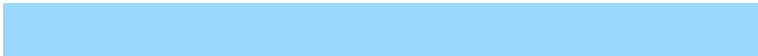
# Harmonies

## Analogous

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



63.6180, 0.2510, 0.3089



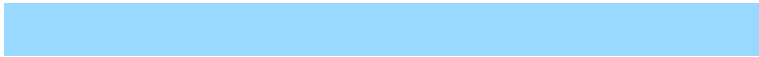
63.6180, 0.2505, 0.2846



63.6180, 0.2654, 0.2734

# Triad

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



63.6180, 0.2505, 0.2846



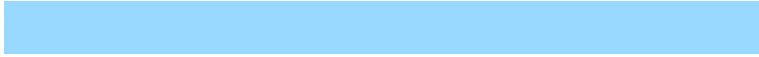
63.6180, 0.3596, 0.3151



63.6180, 0.3296, 0.3889

# Complementary

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



63.6180, 0.2505, 0.2846



60.8031, 0.3980, 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.



63.6180, 0.3603, 0.3872



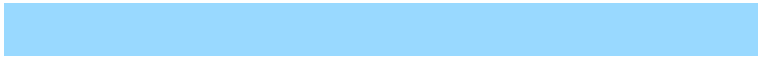
63.6180, 0.2505, 0.2846



63.6180, 0.3786, 0.3433

# Square

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



63.6180, 0.2505, 0.2846



63.6180, 0.3277, 0.2912



63.6180, 0.3786, 0.3696

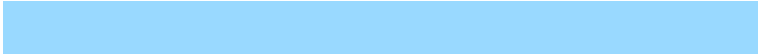


63.6180, 0.2955, 0.3718



# Rectangle

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



63.6180, 0.2505, 0.2846



63.6180, 0.2828, 0.2738



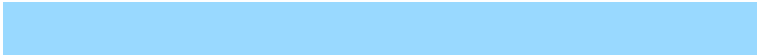
63.6180, 0.3786, 0.3696



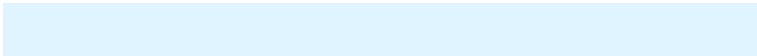
63.6180, 0.3406, 0.3904

# Sweetspot

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



63.6204, 0.2505, 0.2846



87.5962, 0.2940, 0.3174



82.0158, 0.2883, 0.4061



18.4772, 0.2920, 0.3160



0.0000, 0.0000, 0.0000

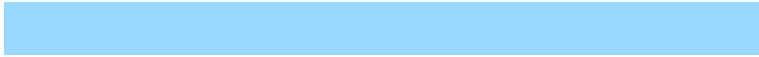


21.4041, 0.3127, 0.3290

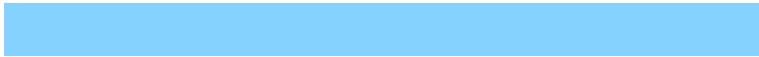


# Same Dimension

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



63.6204, 0.2505, 0.2846



57.9847, 0.2389, 0.2739



41.4775, 0.2407, 0.2222



19.2779, 0.2979, 0.3199



17.2156, 0.1894, 0.2019



1.8859, 0.1939, 0.2180



# Inverse Universe

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



49.0464, 0.3505, 0.2639



42.5504, 0.3612, 0.2514



86.6952, 0.3777, 0.4169



18.1789, 0.3195, 0.3142



12.4659, 0.4432, 0.2215

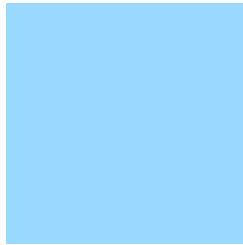


1.2349, 0.4254, 0.2117



# Previews

## White Background



This preview shows how the Yxy color 63.6180, 0.2505, 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 63.6180, 0.2505, 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

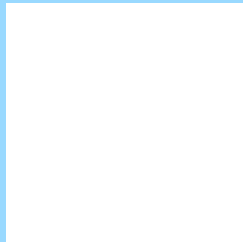
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 63.6180, 0.2505, 0.2846**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.6180, 0.2505, 0.2846.

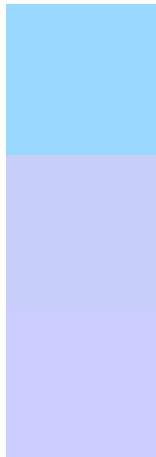


This preview shows how white text looks on a background with the Yxy color 63.6180, 0.2505, 0.2846.

# 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

63.6180, 0.2505, 0.2846

### Protanopia

63.0620, 0.2802, 0.2824

### Deuteranopia

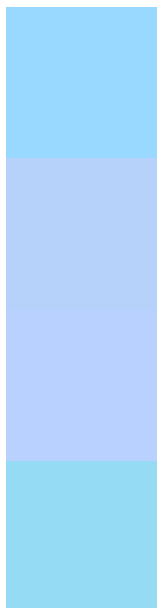
63.1022, 0.2785, 0.2734



## Tritanopia

63.6553, 0.2569, 0.3071

# Trichromacy



## Original Color

63.6180, 0.2505, 0.2846

## Protanomaly

63.0033, 0.2679, 0.2825

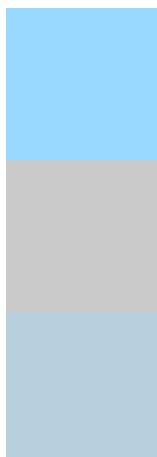
## Deuteranomaly

63.1352, 0.2674, 0.2774

## Tritanomaly

63.6787, 0.2547, 0.2990

# Monochromacy



## Original Color

63.6180, 0.2505, 0.2846

## Achromatopsia

59.0619, 0.3127, 0.3290

## Achromatomaly

60.0365, 0.2868, 0.3123

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.6180, 0.2505, 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(153, 217, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 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(153, 217, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 217, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 63.6180, 0.2505, 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(153, 217, 255) }
```

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

```
.border{ border-color:rgb(153, 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(153, 217, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 217, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 217, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 217,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.6180, 0.2505, 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(153, 217, 255) }
```

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

```
.background{ background-color: rgb(153,  
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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