

# Converting Colors

$Yxy(60.1797, 0.2492, 0.2763)$

Have a look what the booklet for  
Yxy(60.1797, 0.2492, 0.2763)  
contains.

<b>Yxy(60.0855, 0.2492, 0.2760)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# **Color**

**Yxy(60.0855, 0.2492, 0.2760)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99D2FF
RGB	153, 210, 255
RGB Percent	60%, 82%, 100%
CMY	0.3996, 0.1765, 0.0000
CMYK	0.40, 0.18, 0.00, 0.00
HSL	207°, 100%, 80%
HSV	207°, 40%, 100%
XYZ	54.2511, 60.0855, 103.3645
YIQ	198.0870, -48.4170, 1.9110

# Conversions

## Conversions Part 2

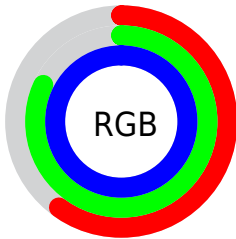
Format	Color
R <sub>Y</sub> B	153, 190, 255
Decimal	10081023
CIE Lab	81.88, -7.16, -27.80
CIE LCh	82, 28.703, 255.555
Yxy	60.0855, 0.2492, 0.2760
Android (android.graphics.Color)	4288271103 (0xFF99D2FF)
YUV	198.0870, 28.0581, -39.5413
Hunter-Lab	77.5148, -10.7223, -24.8016

# Details

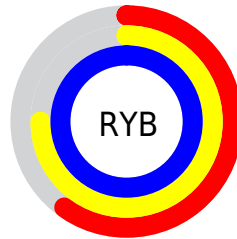
The Yxy color **60.0855, 0.2492, 0.2760** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **64.0114, 0.3949, 0.3760**, and the grayscale version is **56.3889, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.4416, 0.2860, 0.3289**, and **30.3955, 0.2343, 0.2637** is the 20% darker color. If you saturate the color by 10%, you get **52.4938, 0.2339, 0.2599**, and if you desaturate by 10%, it is **68.6008, 0.2651, 0.2911**.

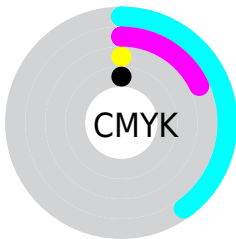
# Distribution



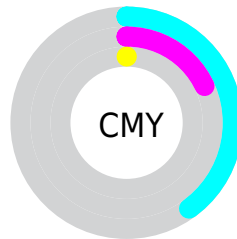
- Red (60%)
- Green (82%)
- Blue (100%)



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



- Cyan (40%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)




- Cyan (40%)
- Magenta (18%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.0855, 0.2492, 0.2760 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 60.0855, 0.2492, 0.2760 by changing the saturation by 10% instead.




 60.0855, 0.2492,  
0.2760

 60.0855, 0.2492,  
0.2760


424.9129, 0.2788,  
0.3013

 43.4876, 0.2424,  
0.2701


 104.9537, 0.2595,  
0.2849

 30.2678, 0.2341,  
0.2628


 133.9927, 0.2635,  
0.2883

 20.0420, 0.2236,  
0.2534

167.9476, 0.2669,  
0.2912

 12.4256, 0.2101,  
0.2412

207.2026, 0.2699,  
0.2938

 7.0342, 0.1919,  
0.2245

252.1423, 0.2726,  
0.2960

 3.4835, 0.1667,  
0.2006

303.1509, 0.2749,

 1.3891, 0.1302,

0.2980

0.1647

360.6130, 0.2770,  
0.2997

0.2086, 0.0079,  
0.0701

0.0000, 0.0000,  
0.0000

60.0855, 0.2492,  
0.2760

60.0855, 0.2492,  
0.2760

52.4938, 0.2339,  
0.2599

68.6008, 0.2651,  
0.2911

45.7812, 0.2197,  
0.2429

78.0762, 0.2812,  
0.3051

39.9023, 0.2071,  
0.2255

88.5486, 0.2972,  
0.3177

34.8049, 0.1965,  
0.2081

100.0000, 0.3127,  
0.3290

■ 30.4283, 0.1881,  
0.1910

■ 26.6790, 0.1819,  
0.1747

■ 26.6637, 0.1818,  
0.1746

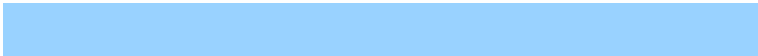
# Harmonies

## Analogous

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



60.0855, 0.2446, 0.2979



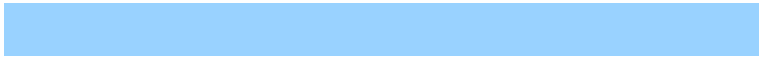
60.0855, 0.2492, 0.2760



60.0855, 0.2697, 0.2688

# Triad

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



60.0855, 0.2492, 0.2760



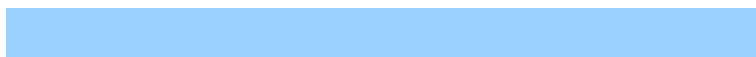
60.0855, 0.3714, 0.3230



60.0855, 0.3194, 0.3902

# Complementary

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



60.0855, 0.2492, 0.2760



64.0114, 0.3949, 0.3760

# 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.



60.0855, 0.3547, 0.3943



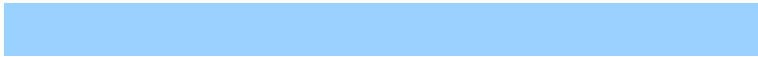
60.0855, 0.2492, 0.2760



60.0855, 0.3860, 0.3532

# Square

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



60.0855, 0.2492, 0.2760



60.0855, 0.3401, 0.2955



60.0855, 0.3795, 0.3796

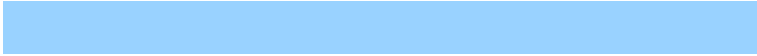


60.0855, 0.2837, 0.3662



# Rectangle

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



60.0855, 0.2492, 0.2760



60.0855, 0.2906, 0.2722



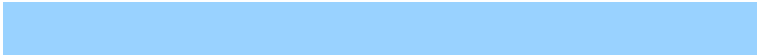
60.0855, 0.3795, 0.3796



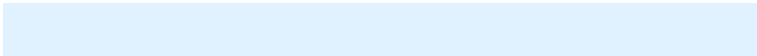
60.0855, 0.3317, 0.3939

# Sweetspot

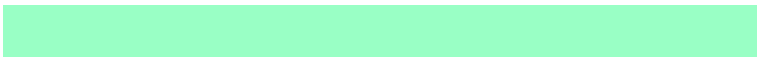
The Sweet Spot groups the original color and five complimentary colors.



60.0863, 0.2492, 0.2760



86.3260, 0.2940, 0.3152



82.3463, 0.2850, 0.3975



18.1780, 0.2919, 0.3136



0.0000, 0.0000, 0.0000

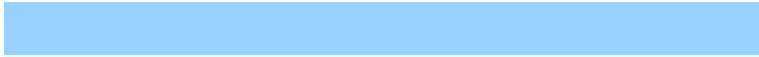


21.4041, 0.3127, 0.3290

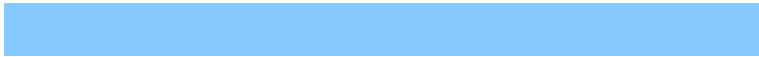


# Same Dimension

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



60.0863, 0.2492, 0.2760



53.9088, 0.2368, 0.2631



39.1110, 0.2395, 0.2140



19.0596, 0.2979, 0.3182



14.2351, 0.1826, 0.1773



1.6039, 0.1878, 0.1960



# Inverse Universe

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



48.7307, 0.3571, 0.2707



42.1389, 0.3701, 0.2594



90.8259, 0.3752, 0.4226



18.1569, 0.3206, 0.3158



12.1650, 0.4718, 0.2373

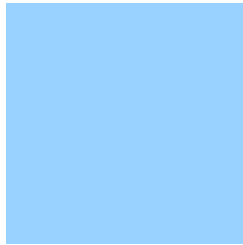


1.2065, 0.4498, 0.2252



# Previews

## White Background



This preview shows how the Yxy color 60.0855, 0.2492, 0.2760 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

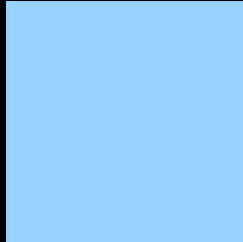
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.0855, 0.2492, 0.2760 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

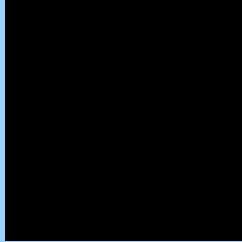
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

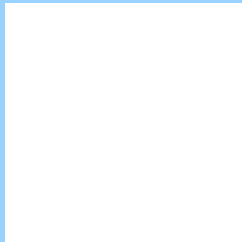
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 60.0855, 0.2492, 0.2760**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.0855, 0.2492, 0.2760.



This preview shows how white text looks on a background with the Yxy color 60.0855, 0.2492, 0.2760.

# 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

60.0855, 0.2492, 0.2760

### Protanopia

59.8193, 0.2745, 0.2750

### Deuteranopia

59.6689, 0.2728, 0.2669



## Tritanopia

60.0657, 0.2589, 0.3079

# Trichromacy



**Original Color**

60.0855, 0.2492, 0.2760

**Protanomaly**

59.6157, 0.2647, 0.2751

**Deuteranomaly**

59.6352, 0.2636, 0.2699

**Tritanomaly**

60.2693, 0.2551, 0.2961

# Monochromacy



**Original Color**

60.0855, 0.2492, 0.2760

**Achromatopsia**

56.4712, 0.3127, 0.3290

**Achromatomaly**

57.3006, 0.2864, 0.3084

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.0855, 0.2492, 0.2760 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, 210, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 210, 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, 210, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 210, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 60.0855, 0.2492, 0.2760 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, 210, 255) }
```

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

```
.border{ border-color:rgb(153, 210, 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, 210, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 210, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 210, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 210,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.0855, 0.2492, 0.2760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 210, 255) }
```

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

```
.background{ background-color: rgb(153,  
210, 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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