

# Converting Colors

$Yxy(62.1629, 0.2570, 0.2799)$

Have a look what the booklet for  
Yxy(62.1629, 0.2570, 0.2799)  
contains.

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# Color

**Yxy(62.3497, 0.2571, 0.2805)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A6D4FE
RGB	166, 212, 254
RGB Percent	65%, 83%, 100%
CMY	0.3492, 0.1686, 0.0039
CMYK	0.35, 0.17, 0.00, 0.00
HSL	209°, 98%, 82%
HSV	209°, 35%, 100%
XYZ	57.1483, 62.3497, 102.7825
YIQ	203.0340, -40.8980, 3.3100

# Conversions

## Conversions Part 2

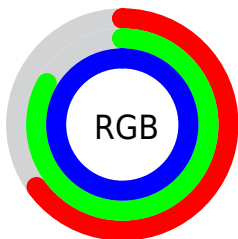
Format	Color
<a href="#">RYB</a>	<a href="#">166, 196, 254</a>
Decimal	<a href="#">10933502</a>
CIELab	<a href="#">83.10, -5.14, -25.33</a>
CIELCh	<a href="#">83, 25.848, 258.533</a>
Yxy	<a href="#">62.3497, 0.2571, 0.2805</a>
Android (android.graphics.Color)	<a href="#">4289123582 (0xFFA6D4FE)</a>
YUV	<a href="#">203.0340, 25.1262, -32.4788</a>
Hunter-Lab	<a href="#">78.9618, -8.9945, -21.9030</a>

# Details

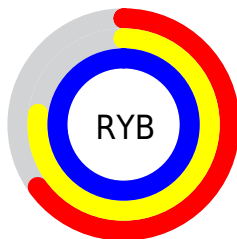
The Yxy color **62.3497, 0.2571, 0.2805** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **68.8931, 0.3803, 0.3728**, and the grayscale version is **59.5966, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4280, 0.2935, 0.3289**, and **31.8644, 0.2442, 0.2696** is the 20% darker color. If you saturate the color by 10%, you get **54.0448, 0.2410, 0.2636**, and if you desaturate by 10%, it is **71.6555, 0.2734, 0.2962**.

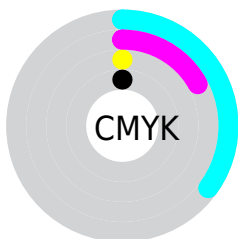
# Distribution



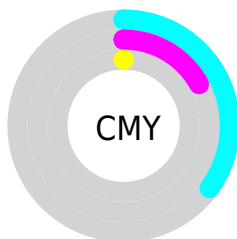
- Red (65%)
- Green (83%)
- Blue (100%)



- Red (65%)
- Yellow (77%)
- Blue (100%)



- Cyan (35%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)



- Cyan (35%)
- Magenta (17%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.3497, 0.2571, 0.2805 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 62.3497, 0.2571, 0.2805 by changing the saturation by 10% instead.



62.3497, 0.2571,  
0.2805

62.3497, 0.2571,  
0.2805

433.2055, 0.2830,  
0.3034

45.3153, 0.2512,  
0.2752

108.2308, 0.2661,  
0.2885

31.7059, 0.2439,  
0.2686

137.8463, 0.2696,  
0.2916

21.1369, 0.2347,  
0.2602

172.4243, 0.2726,  
0.2943

13.2241, 0.2228,  
0.2491

212.3492, 0.2752,  
0.2966

7.5831, 0.2067,  
0.2341

258.0053, 0.2775,  
0.2986

3.8293, 0.1842,  
0.2127

309.7772, 0.2796,

1.5786, 0.1511,

0.3004

0.1802

368.0491, 0.2814,  
0.3020

0.3431, 0.0620,  
0.1060

0.0000, 0.0000,  
0.0000

62.3497, 0.2571,  
0.2805

62.3497, 0.2571,  
0.2805

54.0448, 0.2410,  
0.2636

71.6555, 0.2734,  
0.2962

46.6914, 0.2257,  
0.2456

81.9938, 0.2897,  
0.3105

40.2464, 0.2117,  
0.2269

93.4038, 0.3055,  
0.3235

34.6592, 0.1995,  
0.2081

99.9354, 0.3133,  
0.3300

■ 29.8722, 0.1894,  
0.1894

■ 25.8168, 0.1818,  
0.1716

■ 23.9055, 0.1785,  
0.1624

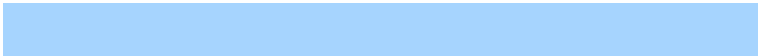
# Harmonies

## Analogous

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



62.3497, 0.2515, 0.2991



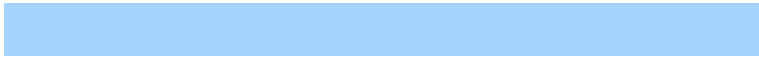
62.3497, 0.2571, 0.2805



62.3497, 0.2769, 0.2752

# Triad

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



62.3497, 0.2571, 0.2805



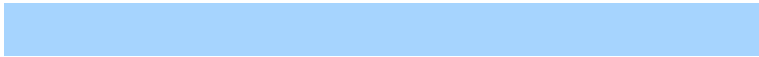
62.3497, 0.3669, 0.3265



62.3497, 0.3156, 0.3816

# Complementary

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



62.3497, 0.2571, 0.2805



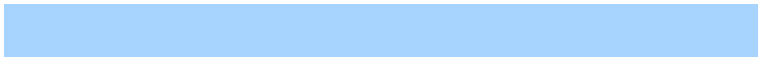
68.8931, 0.3803, 0.3728

# 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.



62.3497, 0.3474, 0.3875



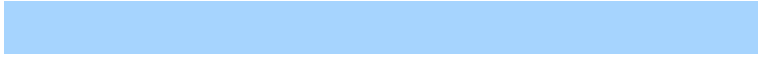
62.3497, 0.2571, 0.2805



62.3497, 0.3781, 0.3536

# Square

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



62.3497, 0.2571, 0.2805



62.3497, 0.3403, 0.3012



62.3497, 0.3707, 0.3762

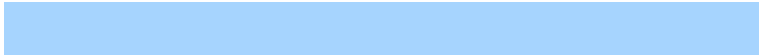


62.3497, 0.2841, 0.3591



# Rectangle

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



62.3497, 0.2571, 0.2805



62.3497, 0.2963, 0.2789



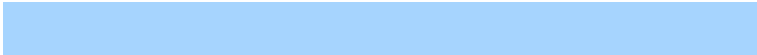
62.3497, 0.3707, 0.3762



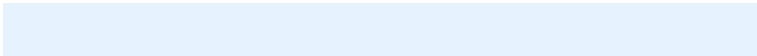
62.3497, 0.3266, 0.3856

# Sweetspot

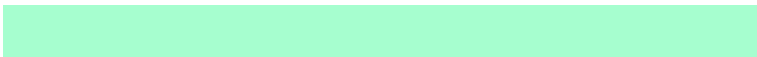
The Sweet Spot groups the original color and five complimentary colors.



62.3521, 0.2571, 0.2805



87.9680, 0.2971, 0.3167



83.4873, 0.2866, 0.3833



18.4858, 0.2949, 0.3149



0.0000, 0.0000, 0.0000

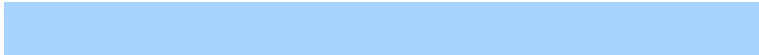


21.4041, 0.3127, 0.3290

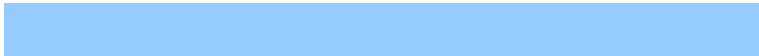


# Same Dimension

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



62.3521, 0.2571, 0.2805



56.6651, 0.2453, 0.2682



43.5867, 0.2501, 0.2282



18.9508, 0.2979, 0.3174



12.9016, 0.1792, 0.1652



1.4751, 0.1848, 0.1851



# Inverse Universe

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



53.0758, 0.3522, 0.2816



46.7653, 0.3640, 0.2714



92.8521, 0.3660, 0.4131



18.1459, 0.3212, 0.3166



12.0304, 0.4866, 0.2454

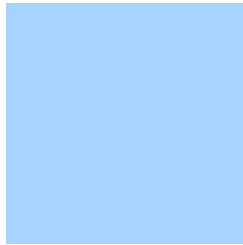


1.1935, 0.4624, 0.2321



# Previews

## White Background



This preview shows how the Yxy color 62.3497, 0.2571, 0.2805 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

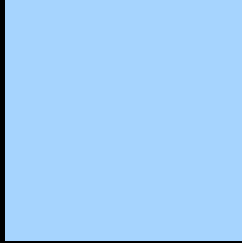
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.3497, 0.2571, 0.2805 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

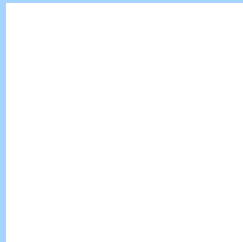
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 62.3497, 0.2571, 0.2805**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.3497, 0.2571, 0.2805.

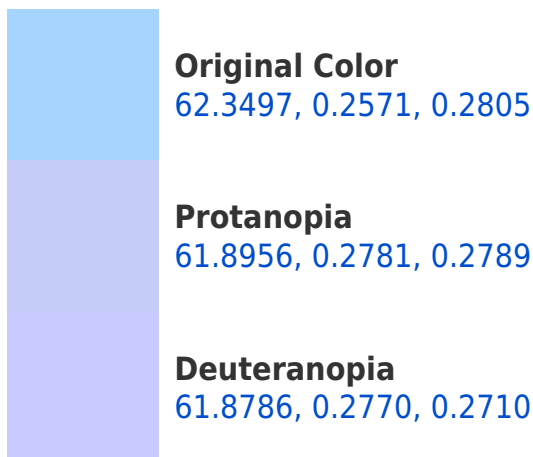


This preview shows how white text looks on a background with the Yxy color 62.3497, 0.2571, 0.2805.

# 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





## Tritanopia

62.5720, 0.2660, 0.3085

# Trichromacy



## Original Color

62.3497, 0.2571, 0.2805

## Protanomaly

62.0298, 0.2701, 0.2793

## Deuteranomaly

62.0540, 0.2689, 0.2742

## Tritanomaly

62.7383, 0.2627, 0.2981

# Monochromacy



## Original Color

62.3497, 0.2571, 0.2805

## Achromatopsia

59.7202, 0.3127, 0.3290

## Achromatomaly

60.3637, 0.2902, 0.3101

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.3497, 0.2571, 0.2805 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(166, 212, 254)` looks like.

```
.text, #text, p{  
    color:rgb(166, 212, 254)  
}
```

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(166, 212, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 212, 254) }
```

## Border

The CSS property to change the border of an element to Yxy 62.3497, 0.2571, 0.2805 is called "border". The border property can be set on classes, ids or directly on the HTML element.

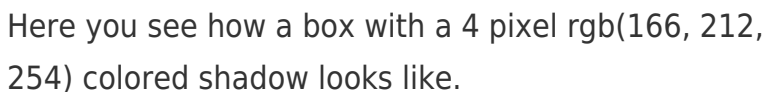
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(166, 212, 254) }
```

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

```
.border{ border-color:rgb(166, 212, 254) }
```

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



Here you see how a box with a 4 pixel `rgb(166, 212, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 212, 254); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 212, 254); box-shadow:4px 4px 4px 4px rgb(166, 212, 254) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.3497, 0.2571, 0.2805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 212, 254) }
```

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

```
.background{ background-color: rgb(166,  
212, 254) }
```

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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