

# Converting Colors

$Yxy(63.1004, 0.2703, 0.3121)$

Have a look what the booklet for  
Yxy(63.1004, 0.2703, 0.3121)  
contains.

<b>Yxy(62.9319, 0.2706, 0.3121)</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(62.9319, 0.2706, 0.3121)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A6D8E6
RGB	166, 216, 230
RGB Percent	65%, 85%, 90%
CMY	0.3491, 0.1529, 0.0980
CMYK	0.28, 0.06, 0.00, 0.10
HSL	193°, 56%, 78%
HSV	193°, 28%, 90%
XYZ	54.5638, 62.9319, 84.1444
YIQ	202.6460, -34.2940, -6.2460

# Conversions

## Conversions Part 2

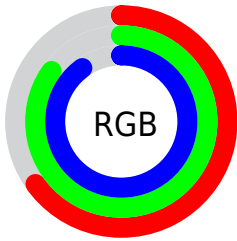
Format	Color
<a href="#">RYB</a>	<a href="#">166, 194, 230</a>
Decimal	<a href="#">10934502</a>
CIELab	<a href="#">83.41, -12.92, -12.14</a>
CIElCh	<a href="#">83, 17.735, 223.218</a>
Yxy	<a href="#">62.9319, 0.2706, 0.3121</a>
Android (android.graphics.Color)	<a href="#">4289124582</a> ( <a href="#">0xFFA6D8E6</a> )
YUV	<a href="#">202.6460, 13.4855, -32.1385</a>
Hunter-Lab	<a href="#">79.3296, -16.0525, -7.3578</a>

# Details

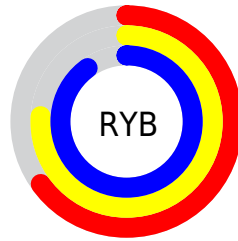
The Yxy color **62.9319, 0.2706, 0.3121** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.2195, 0.3692, 0.3452**, and the grayscale version is **59.4178, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **32.0296, 0.2599, 0.3065** is the 20% darker color. If you saturate the color by 10%, you get **58.1276, 0.2566, 0.3051**, and if you desaturate by 10%, it is **68.2648, 0.2854, 0.3187**.

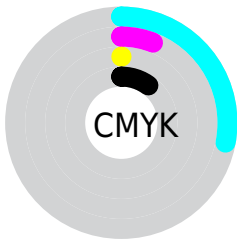
# Distribution



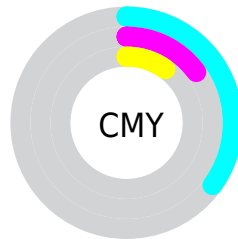
- Red (65%)
- Green (85%)
- Blue (90%)



- Red (65%)
- Yellow (76%)
- Blue (90%)



- Cyan (28%)
- Magenta (6%)
- Yellow (0%)
- Black (10%)




- Cyan (35%)
- Magenta (15%)
- Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.9319, 0.2706, 0.3121 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 62.9319, 0.2706, 0.3121 by changing the saturation by 10% instead.




 62.9319, 0.2706,  
0.3121


 62.9319, 0.2706,  
0.3121


435.3223, 0.2903,  
0.3204

 45.7861, 0.2661,  
0.3101


 109.0713, 0.2775,  
0.3151

 32.0771, 0.2604,  
0.3075


 138.8336, 0.2801,  
0.3162

 21.4204, 0.2532,  
0.3042


173.5703, 0.2824,  
0.3172

 13.4316, 0.2438,  
0.2996

213.6657, 0.2844,  
0.3180

 7.7264, 0.2309,  
0.2931

259.5042, 0.2862,  
0.3187

 3.9204, 0.2122,  
0.2831

311.4702, 0.2877,

 1.6291, 0.1830,

0.3194

0.2658

369.9481, 0.2891,  
0.3199

0.3771, 0.0251,  
0.2204

0.0000, 0.0000,  
0.0000

62.9319, 0.2706,  
0.3121

62.9319, 0.2706,  
0.3121

58.1276, 0.2566,  
0.3051

68.2648, 0.2854,  
0.3187

53.8199, 0.2438,  
0.2976

74.1413, 0.3006,  
0.3247

49.9846, 0.2324,  
0.2898

80.5851, 0.3161,  
0.3301

46.5925, 0.2227,  
0.2818

87.0439, 0.3294,  
0.3351

■ 43.6100, 0.2149,  
0.2737

■ 89.9853, 0.3288,  
0.3400

■ 40.9980, 0.2091,  
0.2656

■ 93.0090, 0.3283,  
0.3448

■ 38.7030, 0.2052,  
0.2576

■ 96.1156, 0.3278,  
0.3497

■ 38.2305, 0.2044,  
0.2559

■ 98.4940, 0.3274,  
0.3532

# Harmonies

## Analogous

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



62.9319, 0.2793, 0.3324



62.9319, 0.2706, 0.3121



62.9319, 0.2727, 0.2974

# Triad

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



62.9319, 0.2706, 0.3121



62.9319, 0.3279, 0.3070



62.9319, 0.3402, 0.3682

# Complementary

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



62.9319, 0.2706, 0.3121



52.2195, 0.3692, 0.3452

# 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.



62.9319, 0.3542, 0.3596



62.9319, 0.2706, 0.3121



62.9319, 0.3470, 0.3243

# Square

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



62.9319, 0.2706, 0.3121



62.9319, 0.3051, 0.2952



62.9319, 0.3568, 0.3433



62.9319, 0.3191, 0.3660



# Rectangle

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



62.9319, 0.2706, 0.3121



62.9319, 0.2799, 0.2924



62.9319, 0.3568, 0.3433



62.9319, 0.3459, 0.3664

# Sweetspot

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



62.9344, 0.2706, 0.3121



93.5192, 0.3003, 0.3246



67.9974, 0.3008, 0.3914



19.7673, 0.2980, 0.3237



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

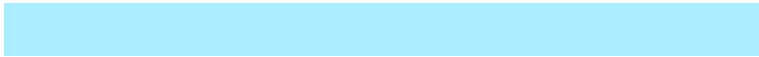


# Same Dimension

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



62.9344, 0.2706, 0.3121



76.1910, 0.2630, 0.3084



48.1541, 0.2665, 0.2720



15.7731, 0.2981, 0.3237



21.8285, 0.2048, 0.2571



1.7459, 0.2080, 0.2688



# Inverse Universe

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



49.0516, 0.3276, 0.2739



56.4195, 0.3312, 0.2632



66.6023, 0.3597, 0.3801



14.5584, 0.3171, 0.3108



11.4013, 0.3852, 0.1896

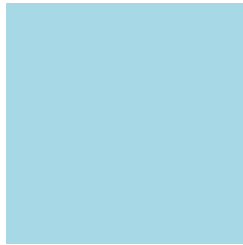


0.8559, 0.3739, 0.1834



# Previews

## White Background



This preview shows how the Yxy color 62.9319, 0.2706, 0.3121 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

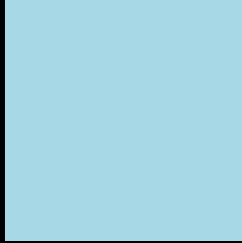
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.9319, 0.2706, 0.3121 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

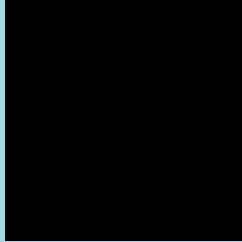
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.9319, 0.2706, 0.3121**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.9319, 0.2706, 0.3121.



This preview shows how white text looks on a background with the Yxy color 62.9319, 0.2706, 0.3121.

# 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

62.9319, 0.2706, 0.3121

### Protanopia

62.6462, 0.3004, 0.3086

### Deuteranopia

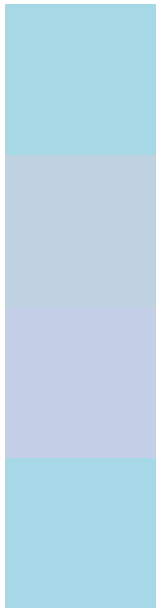
62.5713, 0.3009, 0.2948



## Tritanopia

63.2104, 0.2695, 0.3087

# Trichromacy



**Original Color**

62.9319, 0.2706, 0.3121

**Protanomaly**

62.6605, 0.2886, 0.3104

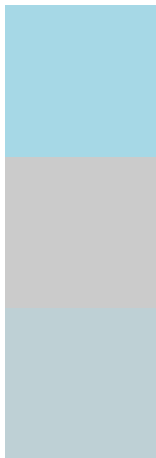
**Deuteranomaly**

62.3222, 0.2888, 0.3004

**Tritanomaly**

63.1534, 0.2701, 0.3098

# Monochromacy



**Original Color**

62.9319, 0.2706, 0.3121

**Achromatopsia**

59.7202, 0.3127, 0.3290

**Achromatomaly**

60.8630, 0.2962, 0.3230

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.9319, 0.2706, 0.3121 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, 216, 230)` looks like.

```
.text, #text, p{  
    color:rgb(166, 216, 230)  
}
```

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, 216, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 216, 230) }
```

## Border

The CSS property to change the border of an element to Yxy 62.9319, 0.2706, 0.3121 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, 216, 230) }
```

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

```
.border{ border-color:rgb(166, 216, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 216, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 216, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 216, 230);  
box-shadow:4px 4px 4px 4px rgb(166, 216,  
230) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.9319, 0.2706, 0.3121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 216, 230) }
```

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

```
.background{ background-color: rgb(166,  
216, 230) }
```

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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