

# Converting Colors

$Yxy(63.4934, 0.2492, 0.2937)$

Have a look what the booklet for  
Yxy(63.4934, 0.2492, 0.2937)  
contains.

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# Color

**Yxy(63.4319, 0.2492, 0.2931)**

# Conversions

## Conversions Part 1

Format	Color
Hex	90DBF9
RGB	144, 219, 249
RGB Percent	56%, 86%, 98%
CMY	0.4354, 0.1412, 0.0234
CMYK	0.42, 0.12, 0.00, 0.02
HSL	197°, 90%, 77%
HSV	197°, 42%, 98%
XYZ	53.9312, 63.4319, 99.0542
YIQ	199.9950, -54.3300, -6.5700

# Conversions

## Conversions Part 2

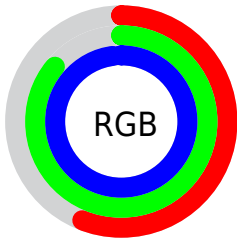
Format	Color
<a href="#">RYB</a>	<a href="#">144, 188, 249</a>
Decimal	<a href="#">9493497</a>
CIELab	<a href="#">83.67, -15.67, -21.95</a>
CIELCh	<a href="#">84, 26.967, 234.477</a>
Yxy	<a href="#">63.4319, 0.2492, 0.2931</a>
Android (android.graphics.Color)	<a href="#">4287683577</a> ( <a href="#">0xFF90DBF9</a> )
YUV	<a href="#">199.9950, 24.1595, -49.1076</a>
Hunter-Lab	<a href="#">79.6441, -18.5056, -17.9886</a>

# Details

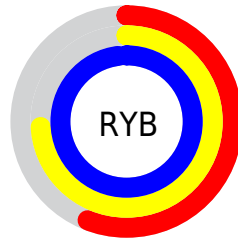
The Yxy color **63.4319, 0.2492, 0.2931** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **52.4293, 0.4085, 0.3615**, and the grayscale version is **57.6265, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2966, 0.2816, 0.3289**, and **32.4274, 0.2342, 0.2831** is the 20% darker color. If you saturate the color by 10%, you get **57.7994, 0.2361, 0.2829**, and if you desaturate by 10%, it is **69.7226, 0.2634, 0.3027**.

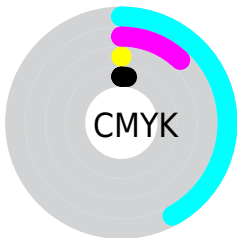
# Distribution



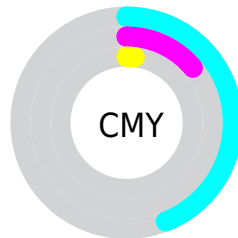
- Red (56%)
- Green (86%)
- Blue (98%)



- Red (56%)
- Yellow (74%)
- Blue (98%)



- Cyan (42%)
- Magenta (12%)
- Yellow (0%)
- Black (2%)




- Cyan (44%)
- Magenta (14%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.4319, 0.2492, 0.2931 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 63.4319, 0.2492, 0.2931 by changing the saturation by 10% instead.




 63.4319, 0.2492,  
0.2931

 63.4319, 0.2492,  
0.2931

437.1352, 0.2785,  
0.3106

 46.1907, 0.2426,  
0.2889


 109.7924, 0.2593,  
0.2993

 32.3963, 0.2344,  
0.2837


 139.6804, 0.2633,  
0.3017

 21.6644, 0.2241,  
0.2770


174.5529, 0.2667,  
0.3037

 13.6105, 0.2109,  
0.2679

214.7942, 0.2697,  
0.3055

 7.8503, 0.1932,  
0.2554

260.7887, 0.2723,  
0.3070

 3.9993, 0.1687,  
0.2369

312.9207, 0.2746,

 1.6732, 0.1332,

0.3083

0.2075

371.5748, 0.2767,  
0.3095

0.4062, 0.0013,  
0.1460

0.0000, 0.0000,  
0.0000

63.4319, 0.2492,  
0.2931

63.4319, 0.2492,  
0.2931

57.7994, 0.2361,  
0.2829

69.7226, 0.2634,  
0.3027

52.7830, 0.2245,  
0.2723

76.6960, 0.2784,  
0.3117

48.3461, 0.2146,  
0.2614

84.3839, 0.2938,  
0.3200

44.4444, 0.2068,  
0.2505

92.8138, 0.3093,  
0.3275

■ 41.0243, 0.2010,  
0.2396

■ 99.3643, 0.3162,  
0.3343

■ 38.6272, 0.1976,  
0.2313

■ 99.6220, 0.3162,  
0.3347

# Harmonies

## Analogous

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



63.4319, 0.2560, 0.3213



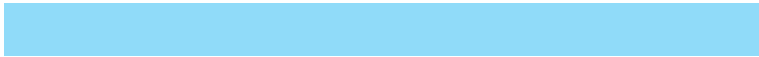
63.4319, 0.2492, 0.2931



63.4319, 0.2581, 0.2765

# Triad

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



63.4319, 0.2492, 0.2931



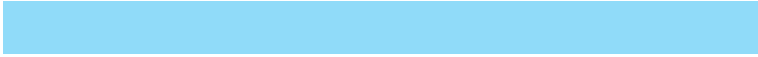
63.4319, 0.3477, 0.3050



63.4319, 0.3425, 0.3900

# Complementary

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



63.4319, 0.2492, 0.2931



52.4293, 0.4085, 0.3615

# 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.



63.4319, 0.3691, 0.3814



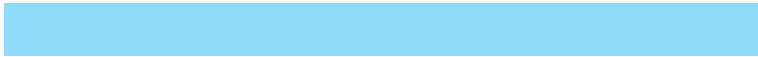
63.4319, 0.2492, 0.2931



63.4319, 0.3727, 0.3319

# Square

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



63.4319, 0.2492, 0.2931



63.4319, 0.3137, 0.2842



63.4319, 0.3806, 0.3596



63.4319, 0.3089, 0.3803



# Rectangle

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



63.4319, 0.2492, 0.2931



63.4319, 0.2721, 0.2732



63.4319, 0.3806, 0.3596



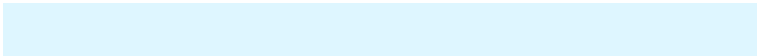
63.4319, 0.3526, 0.3890

# Sweetspot

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



63.4343, 0.2492, 0.2931



88.3490, 0.2925, 0.3193



76.7468, 0.2917, 0.4224



18.5154, 0.2891, 0.3175



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

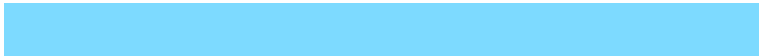


# Same Dimension

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



63.4343, 0.2492, 0.2931



61.6309, 0.2375, 0.2841



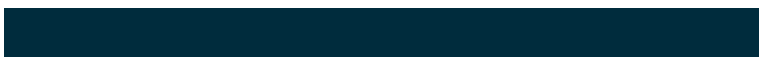
40.3061, 0.2382, 0.2266



18.7211, 0.2980, 0.3221



20.9242, 0.1981, 0.2331



2.1188, 0.2016, 0.2459



# Inverse Universe

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



45.1968, 0.3444, 0.2518



40.9676, 0.3536, 0.2367



76.7002, 0.3848, 0.4135



17.4350, 0.3182, 0.3122



12.5232, 0.4095, 0.2029

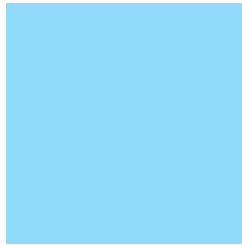


1.1781, 0.3963, 0.1957



# Previews

## White Background



This preview shows how the Yxy color 63.4319, 0.2492, 0.2931 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

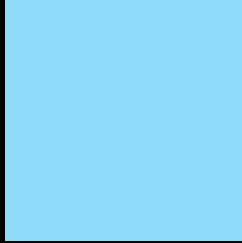
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.4319, 0.2492, 0.2931 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

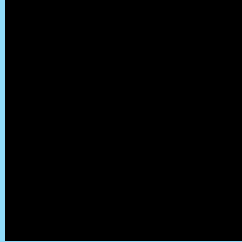
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 63.4319, 0.2492, 0.2931**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.4319, 0.2492, 0.2931.



This preview shows how white text looks on a background with the Yxy color 63.4319, 0.2492, 0.2931.

# 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

63.4319, 0.2492, 0.2931

### Protanopia

62.8514, 0.2865, 0.2909

### Deuteranopia

62.7193, 0.2816, 0.2755



## Tritanopia

63.6076, 0.2530, 0.3070

# Trichromacy



**Original Color**

63.4319, 0.2492, 0.2931

**Protanomaly**

62.7629, 0.2713, 0.2921

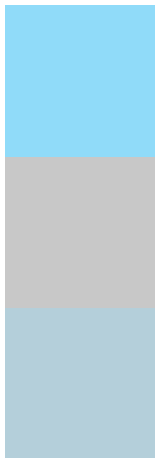
**Deuteranomaly**

62.6332, 0.2684, 0.2814

**Tritanomaly**

63.4082, 0.2513, 0.3011

# Monochromacy



**Original Color**

63.4319, 0.2492, 0.2931

**Achromatopsia**

57.7580, 0.3127, 0.3290

**Achromatomaly**

59.3909, 0.2859, 0.3157

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.4319, 0.2492, 0.2931 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(144, 219, 249)` looks like.

```
.text, #text, p{  
    color:rgb(144, 219, 249)  
}
```

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(144, 219, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 219, 249) }
```

## Border

The CSS property to change the border of an element to Yxy 63.4319, 0.2492, 0.2931 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(144, 219, 249) }
```

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

```
.border{ border-color:rgb(144, 219, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 219, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 219, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 219, 249);  
box-shadow:4px 4px 4px 4px rgb(144, 219,  
249) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.4319, 0.2492, 0.2931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 219, 249) }
```

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

```
.background{ background-color: rgb(144,  
219, 249) }
```

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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