

# Converting Colors

Yxy(80.6486, 0.2198, 0.2344)

Have a look what the booklet for  
Yxy(80.6486, 0.2198, 0.2344)  
contains.

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# Color

**Yxy(74.2087, 0.2499, 0.3093)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8FEEFF
RGB	143, 238, 255
RGB Percent	56%, 93%, 100%
CMY	0.4390, 0.0667, 0.0001
CMYK	0.44, 0.07, 0.00, 0.00
HSL	189°, 100%, 78%
HSV	189°, 44%, 100%
XYZ	59.9572, 74.2087, 105.7588
YIQ	211.5330, -62.0770, -14.8530

# Conversions

## Conversions Part 2

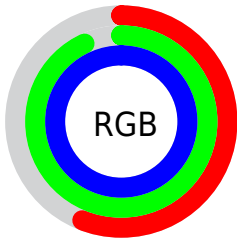
Format	Color
<b>RYB</b>	143, 194, 255
Decimal	9432831
CIELab	89.02, -23.86, -17.00
CIElCh	89, 29.296, 215.465
Yxy	74.2087, 0.2499, 0.3093
Android (android.graphics.Color)	4287622911 (0xFF8FEEFF)
YUV	211.5330, 21.4292, -60.1034
Hunter-Lab	86.1445, -26.5155, -12.4887

# Details

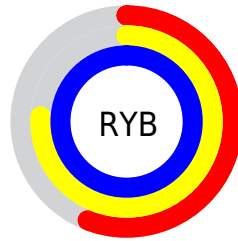
The Yxy color **74.2087, 0.2499, 0.3093** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.4005, 0.4215, 0.3471**, and the grayscale version is **65.4080, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2966, 0.2816, 0.3289**, and **39.4179, 0.2363, 0.3046** is the 20% darker color. If you saturate the color by 10%, you get **69.9580, 0.2387, 0.3041**, and if you desaturate by 10%, it is **79.0308, 0.2626, 0.3143**.

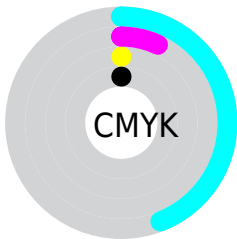
# Distribution



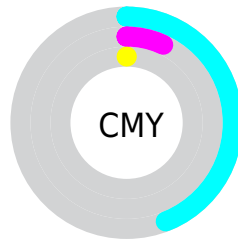
- Red (56%)
- Green (93%)
- Blue (100%)



- Red (56%)
- Yellow (76%)
- Blue (100%)



- Cyan (44%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (44%)
- Magenta (7%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.2087, 0.2499, 0.3093 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 74.2087, 0.2499, 0.3093 by changing the saturation by 10% instead.




 74.2087, 0.2499,  
0.3093

 74.2087, 0.2499,  
0.3093


475.1933, 0.2782,  
0.3191

 54.9649, 0.2437,  
0.3069


 125.1916, 0.2595,  
0.3128

 39.3736, 0.2361,  
0.3040


 157.6995, 0.2633,  
0.3141

 27.0505, 0.2266,  
0.3001


195.3975, 0.2666,  
0.3153

 17.6111, 0.2146,  
0.2949

238.6700, 0.2695,  
0.3162

 10.6712, 0.1989,  
0.2876

287.9015, 0.2720,  
0.3171

 5.8462, 0.1775,  
0.2767

343.4763, 0.2743,

 2.7518, 0.1470,

0.3178

0.2592

405.7787, 0.2763,  
0.3185

■ 1.0036, 0.0847,  
0.2317

■ 0.0000, 0.0000,  
0.0000

■ 74.2087, 0.2499,  
0.3093

■ 74.2087, 0.2499,  
0.3093

■ 69.9580, 0.2387,  
0.3041

■ 79.0308, 0.2626,  
0.3143

■ 66.2342, 0.2292,  
0.2987

■ 84.4482, 0.2765,  
0.3191

■ 63.0001, 0.2217,  
0.2932

■ 90.4935, 0.2913,  
0.3235

■ 60.2089, 0.2161,  
0.2877

■ 97.1945, 0.3066,  
0.3275

■ 57.8038, 0.2124,  
0.2823

99.9991, 0.3127,  
0.3290

■ 56.4760, 0.2109,  
0.2790

# Harmonies

## Analogous

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



74.2087, 0.2667, 0.3427



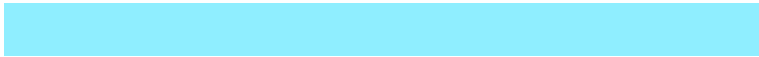
74.2087, 0.2499, 0.3093



74.2087, 0.2488, 0.2841

# Triad

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



74.2087, 0.2499, 0.3093



74.2087, 0.3269, 0.2897



74.2087, 0.3622, 0.3882

# Complementary

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



74.2087, 0.2499, 0.3093



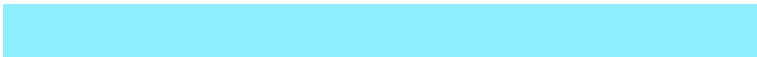
48.4005, 0.4215, 0.3471

# 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.



74.2087, 0.3805, 0.3698



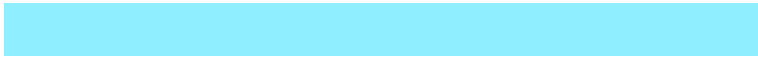
74.2087, 0.2499, 0.3093



74.2087, 0.3598, 0.3139

# Square

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



74.2087, 0.2499, 0.3093



74.2087, 0.2916, 0.2747



74.2087, 0.3799, 0.3426



74.2087, 0.3310, 0.3906

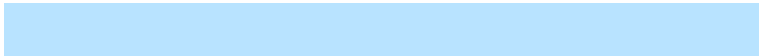


# Rectangle

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



74.2087, 0.2499, 0.3093



74.2087, 0.2570, 0.2746



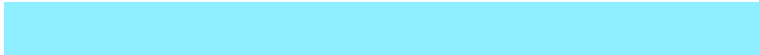
74.2087, 0.3799, 0.3426



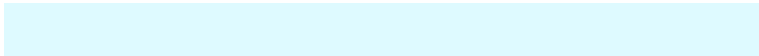
74.2087, 0.3701, 0.3835

# Sweetspot

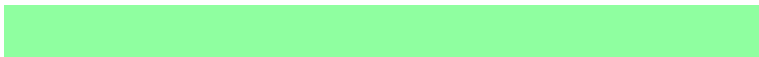
The Sweet Spot groups the original color and five complimentary colors.



74.2116, 0.2499, 0.3093



91.0774, 0.2927, 0.3239



79.8891, 0.2983, 0.4460



19.1940, 0.2893, 0.3229



0.0000, 0.0000, 0.0000

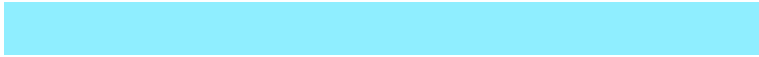


21.4041, 0.3127, 0.3290

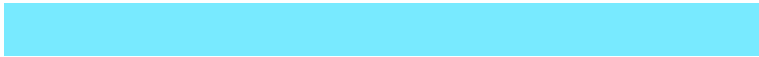


# Same Dimension

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



74.2116, 0.2499, 0.3093



70.3251, 0.2396, 0.3045



46.6155, 0.2380, 0.2404



19.9839, 0.2980, 0.3253



29.6911, 0.2111, 0.2799



3.0125, 0.2128, 0.2861



# Inverse Universe

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



47.0928, 0.3324, 0.2354



40.6254, 0.3376, 0.2182



72.2577, 0.3946, 0.4032



18.2502, 0.3161, 0.3091



13.7253, 0.3635, 0.1776

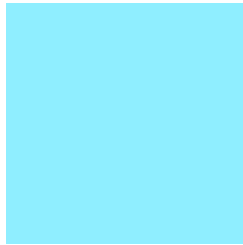


1.3487, 0.3579, 0.1745



# Previews

## White Background



This preview shows how the Yxy color 74.2087, 0.2499, 0.3093 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

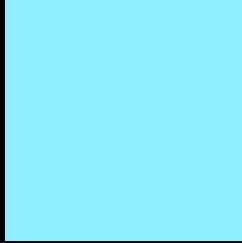
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.2087, 0.2499, 0.3093 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

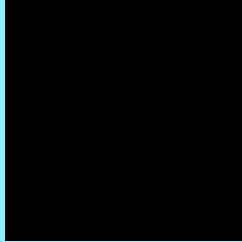
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 74.2087, 0.2499, 0.3093**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.2087, 0.2499, 0.3093.

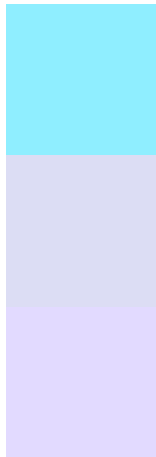


This preview shows how white text looks on a background with the Yxy color 74.2087, 0.2499, 0.3093.

# 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

74.2087, 0.2499, 0.3093

### Protanopia

73.4602, 0.2973, 0.3046

### Deuteranopia

73.5316, 0.2945, 0.2908



## Tritanopia

74.2724, 0.2528, 0.3083

# Trichromacy



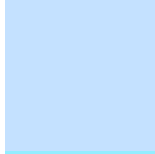
## Original Color

74.2087, 0.2499, 0.3093



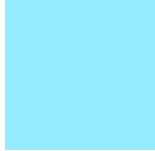
## Protanomaly

72.9219, 0.2774, 0.3058



## Deuteranomaly

72.8062, 0.2758, 0.2964



## Tritanomaly

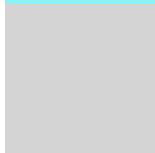
73.9914, 0.2515, 0.3082

# Monochromacy



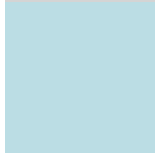
## Original Color

74.2087, 0.2499, 0.3093



## Achromatopsia

65.8375, 0.3127, 0.3290



## Achromatomaly

67.8791, 0.2853, 0.3209

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.2087, 0.2499, 0.3093 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(143, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(143, 238, 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(143, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 238, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 74.2087, 0.2499, 0.3093 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(143, 238, 255) }
```

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

```
.border{ border-color:rgb(143, 238, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(143, 238,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.2087, 0.2499, 0.3093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 238, 255) }
```

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

```
.background{ background-color: rgb(143,  
238, 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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