

# Converting Colors

$Yxy(75.5696, 0.2549, 0.3111)$

Have a look what the booklet for  
Yxy(75.5696, 0.2549, 0.3111)  
contains.

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# Color

**Yxy(75.6611, 0.2551, 0.3118)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99EFFE
RGB	153, 239, 254
RGB Percent	60%, 94%, 100%
CMY	0.3997, 0.0628, 0.0040
CMYK	0.40, 0.06, 0.00, 0.00
HSL	189°, 98%, 80%
HSV	189°, 40%, 100%
XYZ	61.9023, 75.6611, 105.0956
YIQ	214.9960, -56.0710, -13.5670

# Conversions

## Conversions Part 2

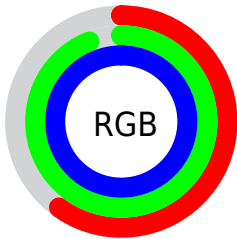
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	153, 199, 254
Decimal	10088446
CIE <sub>Lab</sub>	89.70, -22.21, -15.41
CIE <sub>LCh</sub>	90, 27.030, 214.756
Yxy	75.6611, 0.2551, 0.3118
Android (android.graphics.Color)	4288278526 (0xFF99E <sub>FF</sub> E)
YUV	214.9960, 19.2290, -54.3705
Hunter-Lab	86.9834, -25.1902, -10.7474

# Details

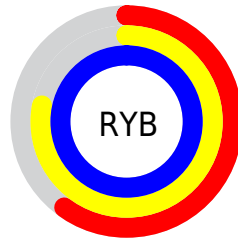
The Yxy color **75.6611, 0.2551, 0.3118** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **51.4063, 0.4071, 0.3451**, and the grayscale version is **67.8615, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **40.3850, 0.2427, 0.3079** is the 20% darker color. If you saturate the color by 10%, you get **71.2613, 0.2433, 0.3068**, and if you desaturate by 10%, it is **80.6390, 0.2683, 0.3166**.

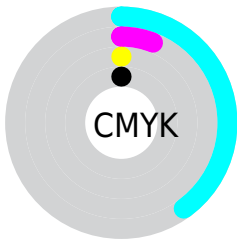
# Distribution



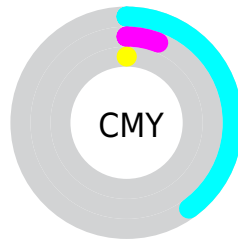
- Red (60%)
- Green (94%)
- Blue (100%)



- Red (60%)
- Yellow (78%)
- Blue (100%)



- Cyan (40%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)




- Cyan (40%)
- Magenta (6%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.6611, 0.2551, 0.3118 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 75.6611, 0.2551, 0.3118 by changing the saturation by 10% instead.



 75.6611, 0.2551,  
0.3118


 75.6611, 0.2551,  
0.3118


480.1868, 0.2810,  
0.3203

 56.1547, 0.2494,  
0.3098


 127.2477, 0.2639,  
0.3148

 40.3269, 0.2424,  
0.3072


 160.0967, 0.2674,  
0.3160

 27.7935, 0.2338,  
0.3038


198.1620, 0.2704,  
0.3170

 18.1701, 0.2227,  
0.2994

241.8280, 0.2731,  
0.3178

 11.0722, 0.2082,  
0.2931

291.4791, 0.2754,  
0.3185

 6.1154, 0.1884,  
0.2837

347.4996, 0.2775,

 2.9154, 0.1599,

0.3192

0.2685

410.2741, 0.2793,  
0.3198

■ 1.0877, 0.1072,  
0.2436

■ 0.0000, 0.0000,  
0.0000

■ 75.6611, 0.2551,  
0.3118

■ 75.6611, 0.2551,  
0.3118

■ 71.2613, 0.2433,  
0.3068

■ 80.6390, 0.2683,  
0.3166

■ 67.3968, 0.2331,  
0.3015

■ 86.2172, 0.2826,  
0.3211

■ 64.0327, 0.2248,  
0.2962

■ 92.4271, 0.2977,  
0.3253

■ 61.1259, 0.2184,  
0.2908

99.2955, 0.3131,  
0.3291

■ 58.6249, 0.2140,  
0.2855

99.9350, 0.3133,  
0.3300

■ 56.4481, 0.2112,  
0.2803

■ 56.3907, 0.2112,  
0.2801

# Harmonies

## Analogous

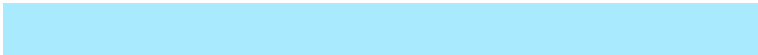
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.6611, 0.2710, 0.3423



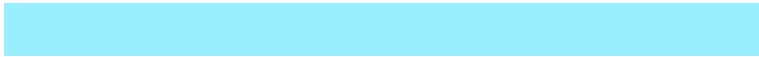
75.6611, 0.2551, 0.3118



75.6611, 0.2537, 0.2883

# Triad

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



75.6611, 0.2551, 0.3118



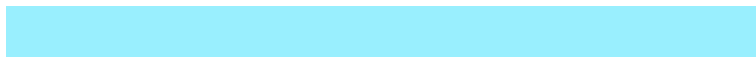
75.6611, 0.3250, 0.2923



75.6611, 0.3588, 0.3831

# Complementary

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



75.6611, 0.2551, 0.3118



51.4063, 0.4071, 0.3451

# 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.



75.6611, 0.3751, 0.3661



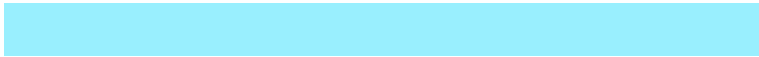
75.6611, 0.2551, 0.3118



75.6611, 0.3553, 0.3146

# Square

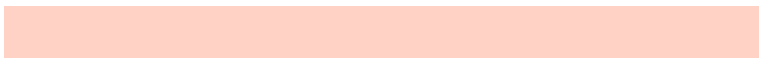
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.6611, 0.2551, 0.3118



75.6611, 0.2927, 0.2787



75.6611, 0.3740, 0.3411



75.6611, 0.3304, 0.3854

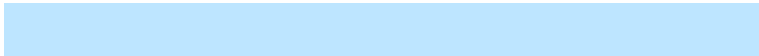


# Rectangle

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



75.6611, 0.2551, 0.3118



75.6611, 0.2611, 0.2792



75.6611, 0.3740, 0.3411



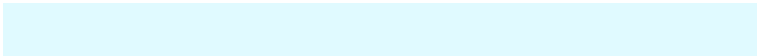
75.6611, 0.3659, 0.3788

# Sweetspot

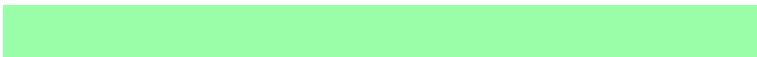
The Sweet Spot groups the original color and five complimentary colors.



75.6641, 0.2551, 0.3118



91.7840, 0.2942, 0.3244



80.4294, 0.3003, 0.4350



19.4666, 0.2922, 0.3238



0.0000, 0.0000, 0.0000

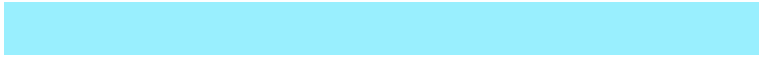


21.4041, 0.3127, 0.3290



# Same Dimension

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



75.6641, 0.2551, 0.3118



72.6324, 0.2452, 0.3076



50.7984, 0.2459, 0.2524



19.9942, 0.2980, 0.3254



29.9059, 0.2114, 0.2810



3.0314, 0.2131, 0.2870



# Inverse Universe

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



50.1104, 0.3298, 0.2436



44.0290, 0.3343, 0.2271



72.9918, 0.3863, 0.3947



18.2512, 0.3161, 0.3090



13.7470, 0.3625, 0.1771

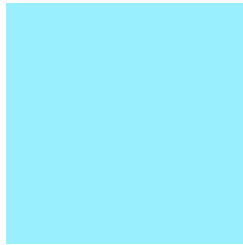


1.3506, 0.3570, 0.1740



# Previews

## White Background



This preview shows how the Yxy color 75.6611, 0.2551, 0.3118 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

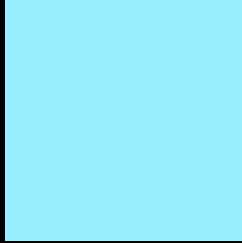
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.6611, 0.2551, 0.3118 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

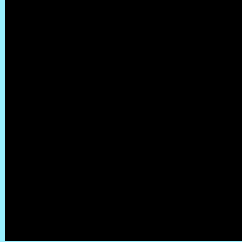
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 75.6611, 0.2551, 0.3118**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.6611, 0.2551, 0.3118.

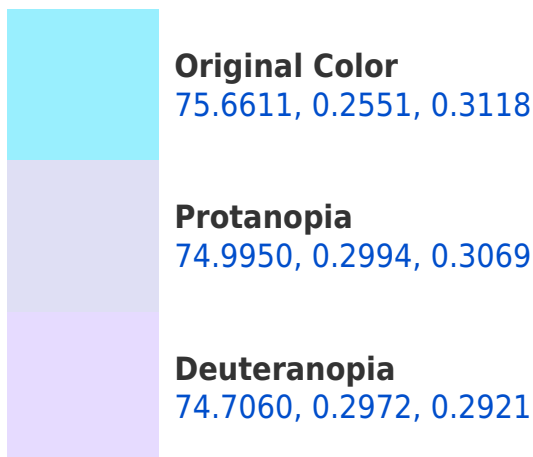


This preview shows how white text looks on a background with the Yxy color 75.6611, 0.2551, 0.3118.

# 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

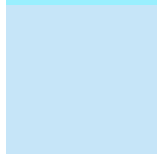
75.4698, 0.2586, 0.3086

# Trichromacy



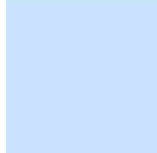
## Original Color

75.6611, 0.2551, 0.3118



## Protanomaly

74.8217, 0.2812, 0.3083



## Deuteranomaly

74.1693, 0.2795, 0.2978



## Tritanomaly

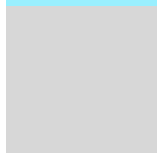
75.7400, 0.2573, 0.3097

# Monochromacy



## Original Color

75.6611, 0.2551, 0.3118



## Achromatopsia

67.9542, 0.3127, 0.3290



## Achromatomaly

70.1749, 0.2881, 0.3233

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.6611, 0.2551, 0.3118 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, 239, 254)` looks like.

```
.text, #text, p{  
    color:rgb(153, 239, 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(153, 239, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 239, 254) }
```

## Border

The CSS property to change the border of an element to Yxy 75.6611, 0.2551, 0.3118 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, 239, 254) }
```

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

```
.border{ border-color:rgb(153, 239, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 239, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 239, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 239, 254);  
box-shadow:4px 4px 4px 4px rgb(153, 239,  
254) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.6611, 0.2551, 0.3118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 239, 254) }
```

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

```
.background{ background-color: rgb(153,  
239, 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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