

# Converting Colors

$Yxy(77.7751, 0.2675, 0.3099)$

Have a look what the booklet for  
Yxy(77.7751, 0.2675, 0.3099)  
contains.

<b>Yxy(77.9528, 0.2675, 0.3102)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# **Color**

**Yxy(77.9528, 0.2675, 0.3102)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3EEFF
RGB	179, 238, 255
RGB Percent	70%, 93%, 100%
CMY	0.2979, 0.0667, 0.0000
CMYK	0.30, 0.07, 0.00, 0.00
HSL	193°, 100%, 85%
HSV	193°, 30%, 100%
XYZ	67.2224, 77.9528, 106.1234
YIQ	222.2970, -40.6210, -7.2210

# Conversions

## Conversions Part 2

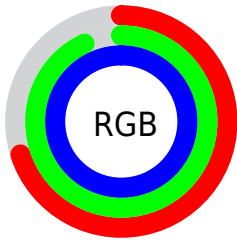
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	179, 212, 255
Decimal	11792127
CIE Lab	90.76, -14.69, -14.23
CIE LCh	91, 20.448, 224.098
Yxy	77.9528, 0.2675, 0.3102
Android (android.graphics.Color)	4289982207 (0xFFB3EEFF)
YUV	222.2970, 16.1226, -37.9715
Hunter-Lab	88.2909, -18.6038, -9.4614

# Details

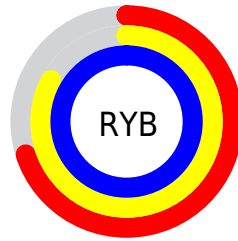
The Yxy color **77.9528, 0.2675, 0.3102** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.0138, 0.3746, 0.3469**, and the grayscale version is **73.1788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **41.8182, 0.2578, 0.3059** is the 20% darker color. If you saturate the color by 10%, you get **71.9203, 0.2536, 0.3029**, and if you desaturate by 10%, it is **84.6567, 0.2823, 0.3171**.

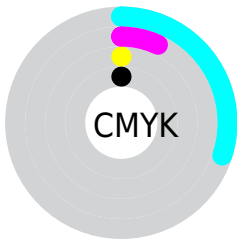
# Distribution



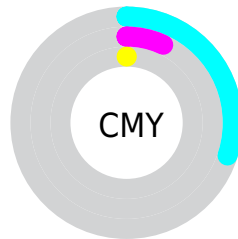
- Red (70%)
- Green (93%)
- Blue (100%)



- Red (70%)
- Yellow (83%)
- Blue (100%)



- Cyan (30%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)




- Cyan (30%)
- Magenta (7%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.9528, 0.2675, 0.3102 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 77.9528, 0.2675, 0.3102 by changing the saturation by 10% instead.



 77.9528, 0.2675,  
0.3102

 77.9528, 0.2675,  
0.3102

488.0065, 0.2878,  
0.3191

 58.0352, 0.2630,  
0.3081

 130.4836, 0.2744,  
0.3133

 41.8370, 0.2575,  
0.3055

163.8656, 0.2772,  
0.3145

 28.9736, 0.2507,  
0.3022


202.5045, 0.2795,  
0.3156

 19.0609, 0.2420,  
0.2979

246.7847, 0.2816,  
0.3165

 11.7143, 0.2304,  
0.2919

297.0906, 0.2834,  
0.3173

 6.5494, 0.2145,  
0.2832

353.8066, 0.2851,

 3.1820, 0.1914,

0.3180

0.2696

417.3171, 0.2865,  
0.3186

1.2275, 0.1549,  
0.2457

0.0840, 0.0000,  
0.0714

77.9528, 0.2675,  
0.3102

77.9528, 0.2675,  
0.3102

71.9203, 0.2536,  
0.3029

84.6567, 0.2823,  
0.3171

66.5210, 0.2409,  
0.2951

92.0553, 0.2975,  
0.3234

61.7219, 0.2298,  
0.2870

100.0000, 0.3127,  
0.3290

57.4841, 0.2204,  
0.2787

■ 53.7633, 0.2130,  
0.2703

■ 50.5066, 0.2076,  
0.2620

■ 47.6305, 0.2039,  
0.2538

■ 47.5722, 0.2038,  
0.2536

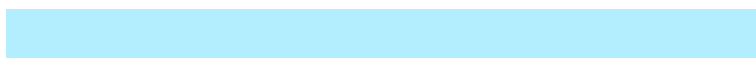
# Harmonies

## Analogous

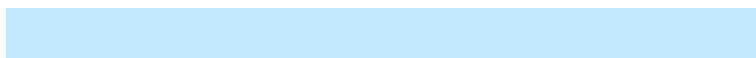
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.9528, 0.2765, 0.3320



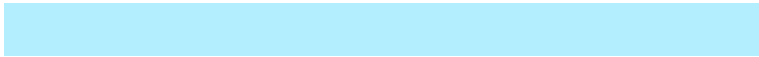
77.9528, 0.2675, 0.3102



77.9528, 0.2700, 0.2948

# Triad

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



77.9528, 0.2675, 0.3102



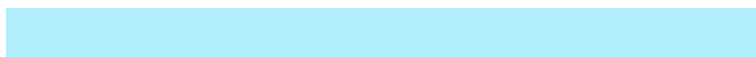
77.9528, 0.3297, 0.3059



77.9528, 0.3416, 0.3713

# Complementary

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



77.9528, 0.2675, 0.3102



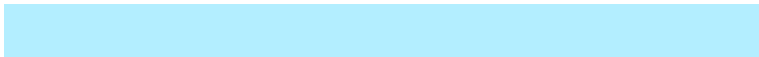
64.0138, 0.3746, 0.3469

# 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.



77.9528, 0.3569, 0.3621



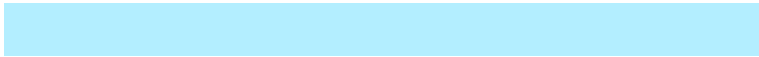
77.9528, 0.2675, 0.3102



77.9528, 0.3501, 0.3245

# Square

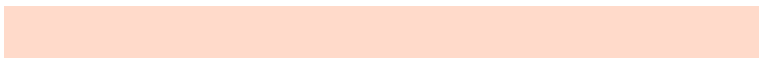
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



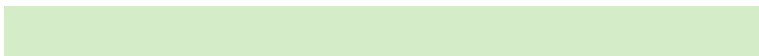
77.9528, 0.2675, 0.3102



77.9528, 0.3052, 0.2931



77.9528, 0.3602, 0.3449

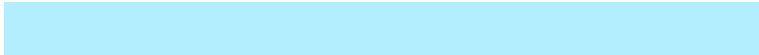


77.9528, 0.3188, 0.3685



# Rectangle

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



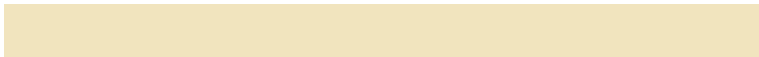
77.9528, 0.2675, 0.3102



77.9528, 0.2780, 0.2897



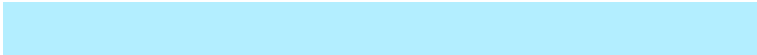
77.9528, 0.3602, 0.3449



77.9528, 0.3478, 0.3694

# Sweetspot

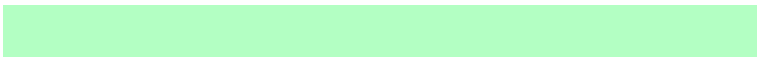
The Sweet Spot groups the original color and five complimentary colors.



77.9549, 0.2675, 0.3102



92.6702, 0.2988, 0.3239



85.0705, 0.2999, 0.3970



19.5935, 0.2965, 0.3230



0.0000, 0.0000, 0.0000

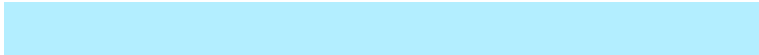


21.4041, 0.3127, 0.3290

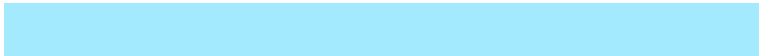


# Same Dimension

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



77.9549, 0.2675, 0.3102



74.1308, 0.2588, 0.3057



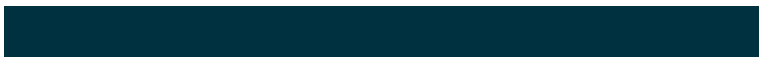
58.3759, 0.2627, 0.2670



19.7511, 0.2980, 0.3236



25.0910, 0.2042, 0.2550



2.6043, 0.2068, 0.2644



# Inverse Universe

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



59.6874, 0.3293, 0.2700



53.4920, 0.3337, 0.2576



83.0643, 0.3637, 0.3841



18.2267, 0.3172, 0.3107



13.2609, 0.3873, 0.1907

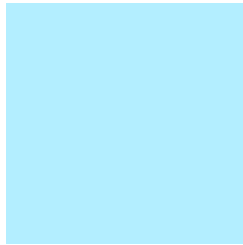


1.3075, 0.3782, 0.1857



# Previews

## White Background



This preview shows how the Yxy color 77.9528, 0.2675, 0.3102 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

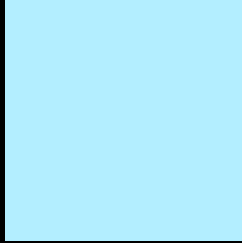
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.9528, 0.2675, 0.3102 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

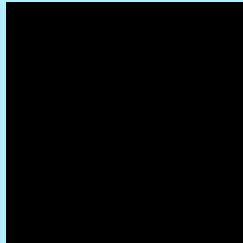
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 77.9528, 0.2675, 0.3102**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.9528, 0.2675, 0.3102.

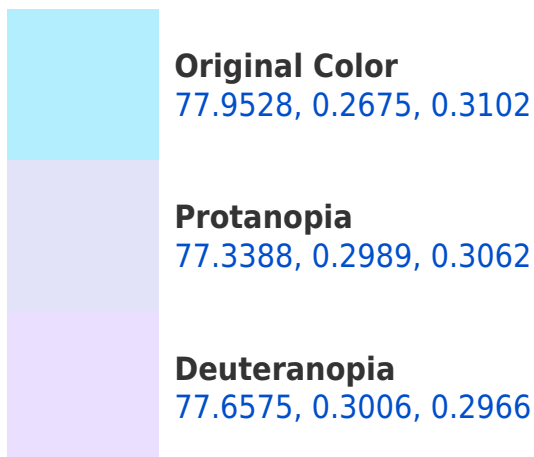


This preview shows how white text looks on a background with the Yxy color 77.9528, 0.2675, 0.3102.

# 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

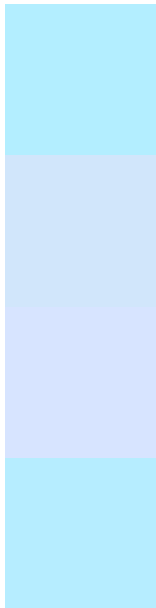




## Tritanopia

77.8557, 0.2695, 0.3092

# Trichromacy



**Original Color**

77.9528, 0.2675, 0.3102

**Protanomaly**

77.1140, 0.2863, 0.3066

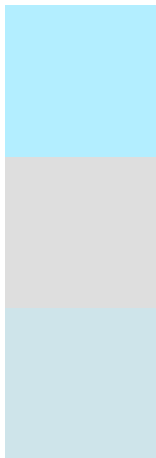
**Deuteranomaly**

77.1539, 0.2877, 0.3007

**Tritanomaly**

77.7335, 0.2690, 0.3092

# Monochromacy



**Original Color**

77.9528, 0.2675, 0.3102

**Achromatopsia**

73.0461, 0.3127, 0.3290

**Achromatomaly**

74.5491, 0.2943, 0.3224

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.9528, 0.2675, 0.3102 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(179, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(179, 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(179, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 238, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 77.9528, 0.2675, 0.3102 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(179, 238, 255) }
```

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

```
.border{ border-color:rgb(179, 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(179, 238, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(179, 238,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.9528, 0.2675, 0.3102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 238, 255) }
```

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

```
.background{ background-color: rgb(179,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor