

# Converting Colors

$Yxy(77.3586, 0.2691, 0.3066)$

Have a look what the booklet for  
Yxy(77.3586, 0.2691, 0.3066)  
contains.

<b>Yxy(77.4013, 0.2700, 0.3081)</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(77.4013, 0.2700, 0.3081)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8ECFF
RGB	184, 236, 255
RGB Percent	72%, 93%, 100%
CMY	0.2781, 0.0746, 0.0000
CMYK	0.28, 0.07, 0.00, 0.00
HSL	196°, 100%, 86%
HSV	196°, 28%, 100%
XYZ	67.8298, 77.4013, 105.9903
YIQ	222.6180, -37.0910, -5.1150

# Conversions

## Conversions Part 2

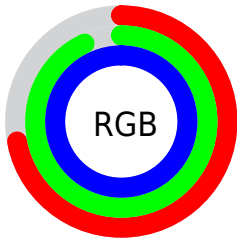
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 214, 255
Decimal	12119295
CIELab	90.51, -12.26, -14.58
CIElCh	91, 19.051, 229.945
Yxy	77.4013, 0.2700, 0.3081
Android (android.graphics.Color)	4290309375 (0xFFB8ECFF)
YUV	222.6180, 15.9643, -33.8680
Hunter-Lab	87.9780, -16.3406, -9.8442

# Details

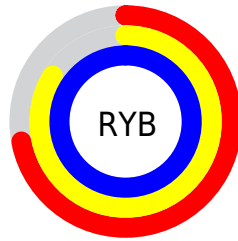
The Yxy color **77.4013, 0.2700, 0.3081** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.4832, 0.3685, 0.3489**, and the grayscale version is **73.4228, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4408, 0.3041, 0.3290**, and **41.3869, 0.2606, 0.3032** is the 20% darker color. If you saturate the color by 10%, you get **70.6687, 0.2555, 0.2994**, and if you desaturate by 10%, it is **84.8556, 0.2851, 0.3163**.

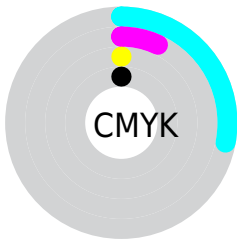
# Distribution



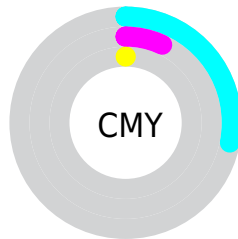
- Red (72%)
- Green (93%)
- Blue (100%)



- Red (72%)
- Yellow (84%)
- Blue (100%)



- Cyan (28%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (28%)
- Magenta (7%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.4013, 0.2700, 0.3081 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 77.4013, 0.2700, 0.3081 by changing the saturation by 10% instead.



 77.4013, 0.2700,  
0.3081

 77.4013, 0.2700,  
0.3081


486.1312, 0.2893,  
0.3179

 57.5823, 0.2657,  
0.3058


 129.7058, 0.2766,  
0.3115

 41.4729, 0.2605,  
0.3030


162.9601, 0.2792,  
0.3129

 28.6888, 0.2540,  
0.2994


201.4616, 0.2814,  
0.3140

 18.8455, 0.2457,  
0.2947

245.5947, 0.2834,  
0.3150

 11.5587, 0.2347,  
0.2883

295.7438, 0.2851,  
0.3159

 6.4440, 0.2195,  
0.2790

352.2934, 0.2866,

 3.1169, 0.1972,

0.3166

0.2646

415.6277, 0.2880,  
0.3173

■ 1.1930, 0.1619,  
0.2395

■ 0.0560, 0.0000,  
0.0491

■ 77.4013, 0.2700,  
0.3081

■ 77.4013, 0.2700,  
0.3081

■ 70.6687, 0.2555,  
0.2994

■ 84.8556, 0.2851,  
0.3163

■ 64.6207, 0.2421,  
0.2900

■ 93.0566, 0.3006,  
0.3237

■ 59.2239, 0.2300,  
0.2803

100.0000, 0.3127,  
0.3290

■ 54.4395, 0.2196,  
0.2702

■ 50.2237, 0.2112,  
0.2600

■ 46.5248, 0.2047,  
0.2498

■ 43.2747, 0.2002,  
0.2398

■ 42.6016, 0.1993,  
0.2376

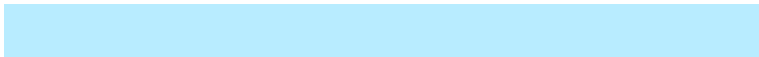
# Harmonies

## Analogous

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



77.4013, 0.2764, 0.3276



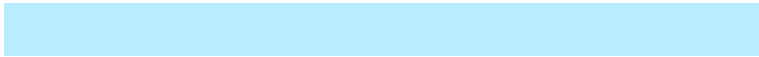
77.4013, 0.2700, 0.3081



77.4013, 0.2745, 0.2952

# Triad

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



77.4013, 0.2700, 0.3081



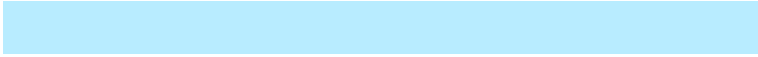
77.4013, 0.3328, 0.3105



77.4013, 0.3359, 0.3689

# Complementary

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



77.4013, 0.2700, 0.3081



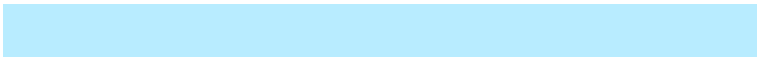
67.4832, 0.3685, 0.3489

# 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.



77.4013, 0.3520, 0.3624



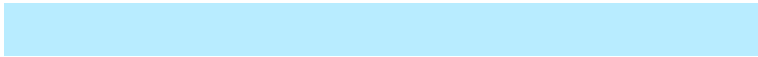
77.4013, 0.2700, 0.3081



77.4013, 0.3503, 0.3286

# Square

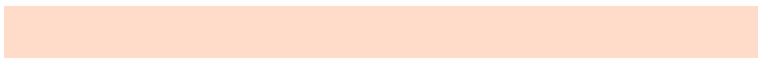
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



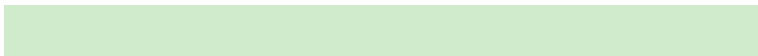
77.4013, 0.2700, 0.3081



77.4013, 0.3102, 0.2971



77.4013, 0.3574, 0.3474

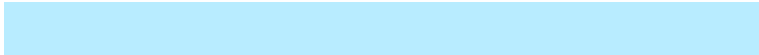


77.4013, 0.3140, 0.3639



# Rectangle

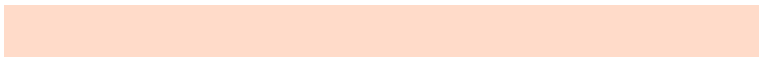
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.4013, 0.2700, 0.3081



77.4013, 0.2832, 0.2916



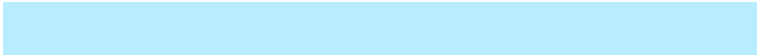
77.4013, 0.3574, 0.3474



77.4013, 0.3422, 0.3679

# Sweetspot

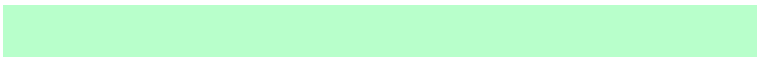
The Sweet Spot groups the original color and five complimentary colors.



77.4030, 0.2700, 0.3081



92.8936, 0.3003, 0.3236



86.0324, 0.2988, 0.3876



19.6090, 0.2980, 0.3225



0.0000, 0.0000, 0.0000

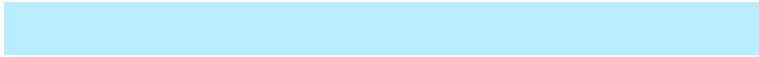


21.4041, 0.3127, 0.3290

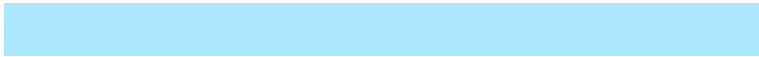


# Same Dimension

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



77.4030, 0.2700, 0.3081



73.8202, 0.2624, 0.3037



59.0224, 0.2658, 0.2676



19.6090, 0.2980, 0.3225



22.5196, 0.1998, 0.2393



2.3730, 0.2030, 0.2507



# Inverse Universe

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



61.6313, 0.3305, 0.2770



56.1802, 0.3346, 0.2670



86.1375, 0.3590, 0.3837



18.2123, 0.3179, 0.3118



13.0013, 0.4030, 0.1994

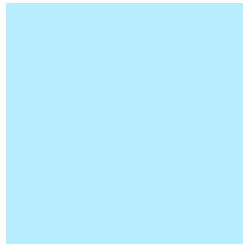


1.2841, 0.3915, 0.1930



# Previews

## White Background



This preview shows how the Yxy color 77.4013, 0.2700, 0.3081 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

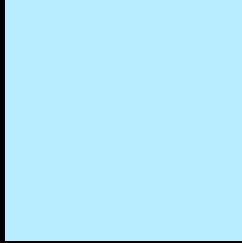
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.4013, 0.2700, 0.3081 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 77.4013, 0.2700, 0.3081**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.4013, 0.2700, 0.3081.

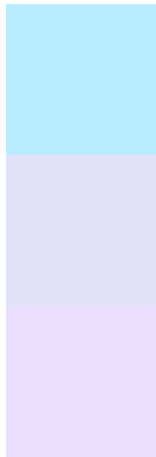


This preview shows how white text looks on a background with the Yxy color 77.4013, 0.2700, 0.3081.

# 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

77.4013, 0.2700, 0.3081

### Protanopia

77.1776, 0.2982, 0.3061

### Deuteranopia

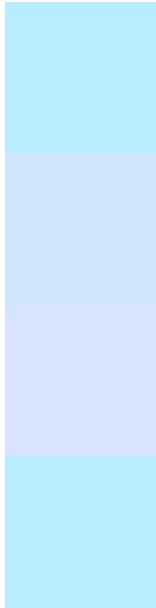
76.9550, 0.2999, 0.2955



## Tritanopia

77.4013, 0.2700, 0.3081

# Trichromacy



**Original Color**

77.4013, 0.2700, 0.3081

**Protanomaly**

77.2603, 0.2869, 0.3067

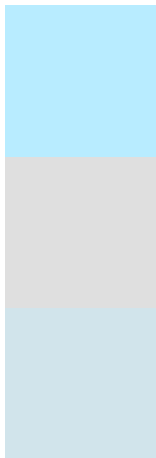
**Deuteranomaly**

76.7571, 0.2883, 0.2997

**Tritanomaly**

77.4013, 0.2700, 0.3081

# Monochromacy



**Original Color**

77.4013, 0.2700, 0.3081

**Achromatopsia**

73.7910, 0.3127, 0.3290

**Achromatomaly**

75.0403, 0.2956, 0.3213

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.4013, 0.2700, 0.3081 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(184, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(184, 236, 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(184, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 236, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 77.4013, 0.2700, 0.3081 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(184, 236, 255) }
```

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

```
.border{ border-color:rgb(184, 236, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(184, 236,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.4013, 0.2700, 0.3081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 236, 255) }
```

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

```
.background{ background-color: rgb(184,  
236, 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