

# Converting Colors

$Yxy(77.7115, 0.2865, 0.3195)$

Have a look what the booklet for  
Yxy(77.7115, 0.2865, 0.3195)  
contains.

<b>Yxy(77.7342, 0.2861, 0.3192)</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(77.7342, 0.2861, 0.3192)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9EAF3
RGB	201, 234, 243
RGB Percent	79%, 92%, 95%
CMY	0.2120, 0.0823, 0.0471
CMYK	0.17, 0.04, 0.00, 0.05
HSL	193°, 64%, 87%
HSV	193°, 17%, 95%
XYZ	69.6734, 77.7342, 96.1206
YIQ	225.1590, -22.5570, -4.1970

# Conversions

## Conversions Part 2

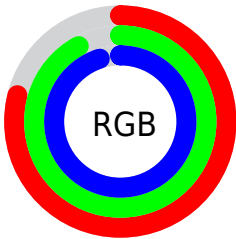
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	201, 219, 243
Decimal	13232883
CIE Lab	90.66, -8.90, -7.97
CIE LCh	91, 11.947, 221.812
Yxy	77.7342, 0.2861, 0.3192
Android (android.graphics.Color)	4291422963 (0xFFC9EAF3)
YUV	225.1590, 8.7956, -21.1874
Hunter-Lab	88.1670, -13.2338, -2.9217

# Details

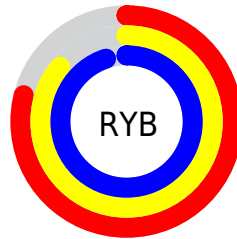
The Yxy color **77.7342, 0.2861, 0.3192** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.3148, 0.3445, 0.3386**, and the grayscale version is **75.3568, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.5396, 0.2797, 0.3162** is the 20% darker color. If you saturate the color by 10%, you get **71.7243, 0.2713, 0.3128**, and if you desaturate by 10%, it is **84.3695, 0.3014, 0.3251**.

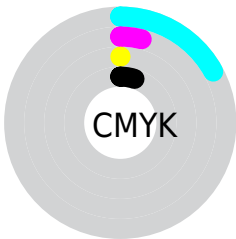
# Distribution



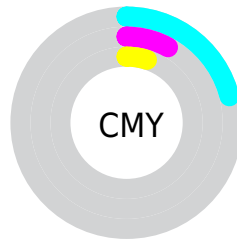
- Red (79%)
- Green (92%)
- Blue (95%)



- Red (79%)
- Yellow (86%)
- Blue (95%)



- Cyan (17%)
- Magenta (4%)
- Yellow (0%)
- Black (5%)



- Cyan (21%)
- Magenta (8%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.7342, 0.2861, 0.3192 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 77.7342, 0.2861, 0.3192 by changing the saturation by 10% instead.



■ 77.7342, 0.2861,  
0.3192

■ 77.7342, 0.2861,  
0.3192

487.2637, 0.2982,  
0.3238

■ 57.8557, 0.2834,  
0.3181

130.1754, 0.2902,  
0.3208

■ 41.6926, 0.2801,  
0.3168

163.5068, 0.2919,  
0.3214

■ 28.8607, 0.2759,  
0.3151

202.0913, 0.2933,  
0.3220

■ 18.9755, 0.2706,  
0.3129

246.3132, 0.2945,  
0.3224

■ 11.6525, 0.2634,  
0.3098

296.5570, 0.2956,  
0.3228

■ 6.5076, 0.2533,  
0.3053

353.2071, 0.2965,

■ 3.1561, 0.2382,

0.3232

0.2982

416.6479, 0.2974,  
0.3235

1.2138, 0.2129,  
0.2853

0.0729, 0.0000,  
0.1028

77.7342, 0.2861,  
0.3192

77.7342, 0.2861,  
0.3192

71.7243, 0.2713,  
0.3128

84.3695, 0.3014,  
0.3251

66.3045, 0.2573,  
0.3060

91.6446, 0.3169,  
0.3304

61.4503, 0.2444,  
0.2987

95.8370, 0.3201,  
0.3354

57.1314, 0.2330,  
0.2911

99.0957, 0.3197,  
0.3403

■ 53.3143, 0.2233,  
0.2833

■ 99.2507, 0.3197,  
0.3405

■ 49.9611, 0.2155,  
0.2754

■ 47.0274, 0.2097,  
0.2675

■ 44.4555, 0.2058,  
0.2597

■ 43.8014, 0.2049,  
0.2576

# Harmonies

## Analogous

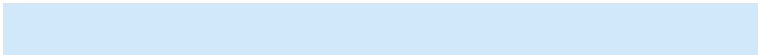
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.7342, 0.2920, 0.3319



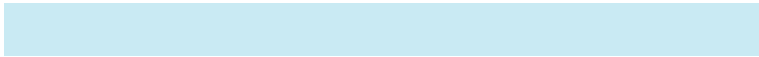
77.7342, 0.2861, 0.3192



77.7342, 0.2871, 0.3095

# Triad

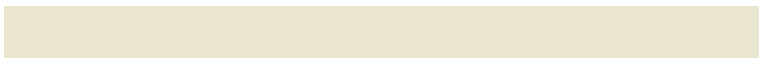
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.7342, 0.2861, 0.3192



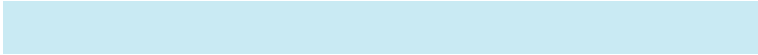
77.7342, 0.3217, 0.3146



77.7342, 0.3306, 0.3534

# Complementary

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



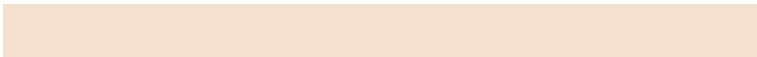
77.7342, 0.2861, 0.3192



69.3148, 0.3445, 0.3386

# 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.



77.7342, 0.3389, 0.3480



77.7342, 0.2861, 0.3192



77.7342, 0.3337, 0.3256

# Square

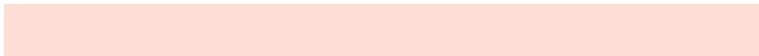
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.7342, 0.2861, 0.3192



77.7342, 0.3074, 0.3072



77.7342, 0.3401, 0.3378



77.7342, 0.3176, 0.3521



# Rectangle

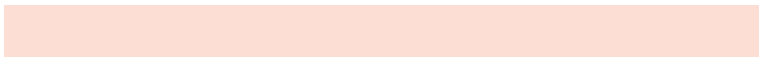
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



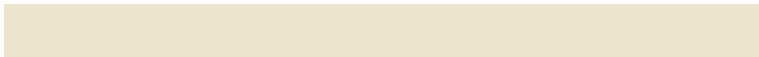
77.7342, 0.2861, 0.3192



77.7342, 0.2916, 0.3060



77.7342, 0.3401, 0.3378



77.7342, 0.3340, 0.3523

# Sweetspot

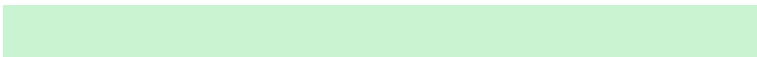
The Sweet Spot groups the original color and five complimentary colors.



77.7374, 0.2861, 0.3192



95.9384, 0.3049, 0.3263



81.1270, 0.3056, 0.3664



20.4157, 0.3039, 0.3259



0.0000, 0.0000, 0.0000

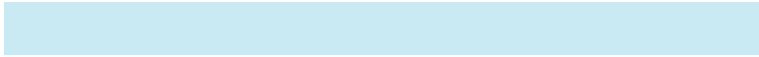


21.4041, 0.3127, 0.3290

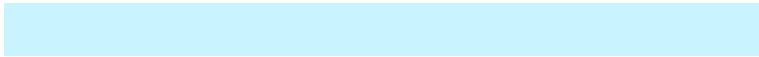


# Same Dimension

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



77.7374, 0.2861, 0.3192



84.1468, 0.2805, 0.3169



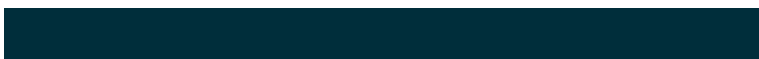
66.7460, 0.2850, 0.2964



18.1226, 0.2980, 0.3238



24.2452, 0.2052, 0.2588



2.2770, 0.2080, 0.2686



# Inverse Universe

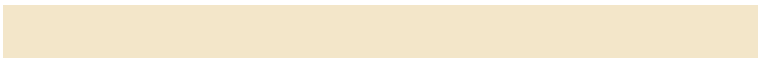
The Inverse Universe completely reimagines the original color for something new.



66.7381, 0.3211, 0.2949



69.7494, 0.3233, 0.2872



80.0711, 0.3409, 0.3596



16.7042, 0.3171, 0.3106



12.5469, 0.3836, 0.1887

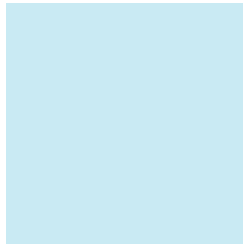


1.1175, 0.3741, 0.1835



# Previews

## White Background



This preview shows how the Yxy color 77.7342, 0.2861, 0.3192 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

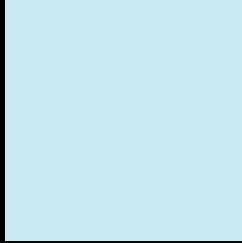
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.7342, 0.2861, 0.3192 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

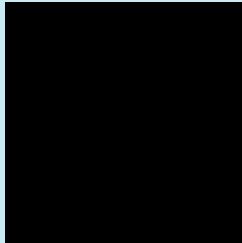
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

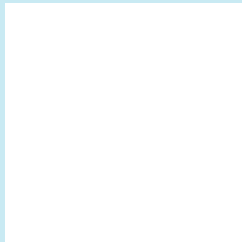
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 77.7342, 0.2861, 0.3192**

## Background



This preview shows how black text looks on a background with the Yxy color 77.7342, 0.2861, 0.3192.

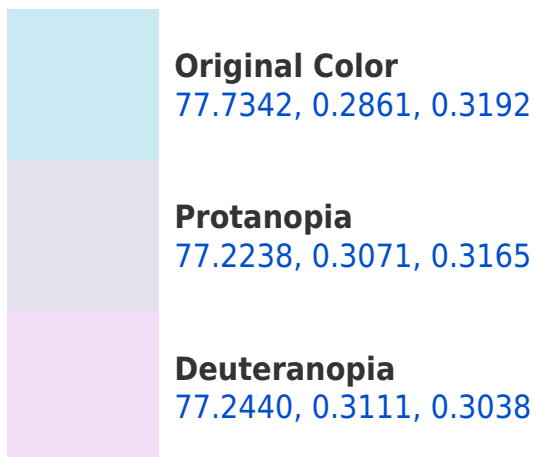


This preview shows how white text looks on a background with the Yxy color 77.7342, 0.2861, 0.3192.

# 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

77.7994, 0.2822, 0.3096

# Trichromacy



## Original Color

77.7342, 0.2861, 0.3192

## Protanomaly

77.3900, 0.2992, 0.3173

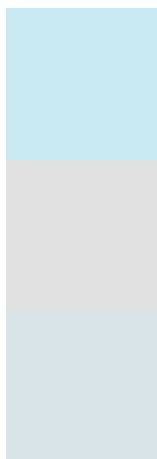
## Deuteranomaly

77.3162, 0.3014, 0.3093

## Tritanomaly

77.6117, 0.2839, 0.3128

# Monochromacy



## Original Color

77.7342, 0.2861, 0.3192

## Achromatopsia

75.2942, 0.3127, 0.3290

## Achromatomaly

75.9119, 0.3021, 0.3247

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.7342, 0.2861, 0.3192 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(201, 234, 243)` looks like.

```
.text, #text, p{  
    color:rgb(201, 234, 243)  
}
```

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(201, 234, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 234, 243) }
```

## Border

The CSS property to change the border of an element to Yxy 77.7342, 0.2861, 0.3192 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(201, 234, 243) }
```

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

```
.border{ border-color:rgb(201, 234, 243) }
```

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

Here you see how a box with a 4 pixel rgb(201, 234, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 234, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 234, 243);  
box-shadow:4px 4px 4px 4px rgb(201, 234,  
243) }
```



# Background

The CSS property to change the background color of an element to  $Yxy$  77.7342, 0.2861, 0.3192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 234, 243) }
```

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

```
.background{ background-color: rgb(201,  
234, 243) }
```

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