

# Converting Colors

$Yxy(77.8742, 0.2693, 0.3275)$

Have a look what the booklet for  
Yxy(77.8742, 0.2693, 0.3275)  
contains.

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# Color

**Yxy(77.8674, 0.2696, 0.3277)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AAF1F2
RGB	170, 241, 242
RGB Percent	67%, 95%, 95%
CMY	0.3334, 0.0549, 0.0508
CMYK	0.30, 0.00, 0.00, 0.05
HSL	181°, 74%, 81%
HSV	181°, 30%, 95%
XYZ	64.0618, 77.8674, 95.6887
YIQ	219.8850, -42.6370, -14.7410

# Conversions

## Conversions Part 2

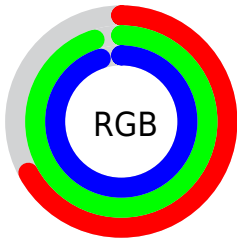
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	170, 206, 242
Decimal	11203058
CIE <sub>Lab</sub>	90.72, -21.61, -7.57
CIE <sub>LCh</sub>	91, 22.899, 199.310
Y <sub>xy</sub>	77.8674, 0.2696, 0.3277
Android (android.graphics.Color)	4289393138 (0xFFAAF1F2)
Y <sub>UV</sub>	219.8850, 10.9027, -43.7491
Hunter-Lab	88.2425, -24.8380, -2.5234

# Details

The Yxy color **77.8674, 0.2696, 0.3277** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **50.9208, 0.3792, 0.3303**, and the grayscale version is **71.4318, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0709, 0.2958, 0.3290**, and **41.8879, 0.2601, 0.3274** is the 20% darker color. If you saturate the color by 10%, you get **75.2110, 0.2576, 0.3272**, and if you desaturate by 10%, it is **81.0270, 0.2831, 0.3282**.

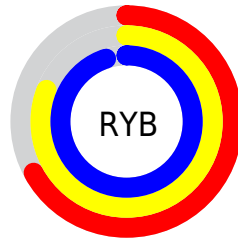
# Distribution



Red (67%)

Green (95%)

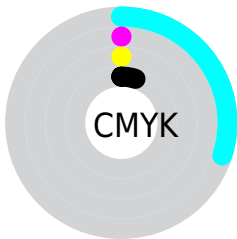
Blue (95%)



Red (67%)

Yellow (81%)

Blue (95%)

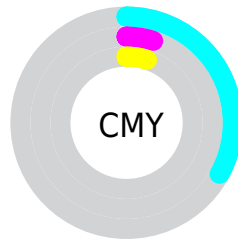


Cyan (30%)

Magenta (0%)

Yellow (0%)

Black (5%)



Cyan (33%)

Magenta (5%)


Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.8674, 0.2696, 0.3277 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 77.8674, 0.2696, 0.3277 by changing the saturation by 10% instead.



 77.8674, 0.2696,  
0.3277

 77.8674, 0.2696,  
0.3277


487.7164, 0.2891,  
0.3286

 57.9651, 0.2653,  
0.3274


 130.3632, 0.2763,  
0.3281

 41.7806, 0.2600,  
0.3270


163.7254, 0.2789,  
0.3282

 28.9295, 0.2534,  
0.3265


202.3431, 0.2811,  
0.3283

 19.0275, 0.2449,  
0.3257


246.6005, 0.2831,  
0.3284

 11.6901, 0.2336,  
0.3245

296.8822, 0.2849,  
0.3285

 6.5331, 0.2180,  
0.3224

353.5725, 0.2864,

 3.1718, 0.1949,

0.3285

0.3185

417.0557, 0.2878,  
0.3286

■ 1.2221, 0.1530,  
0.3115

■ 0.0796, 0.0000,  
0.1145

■ 77.8674, 0.2696,  
0.3277

■ 77.8674, 0.2696,  
0.3277

■ 75.2110, 0.2576,  
0.3272

■ 81.0270, 0.2831,  
0.3282

■ 73.0211, 0.2472,  
0.3267

■ 84.7056, 0.2977,  
0.3286

■ 71.2710, 0.2387,  
0.3262

■ 88.9299, 0.3131,  
0.3290

■ 69.9272, 0.2322,  
0.3257

■ 91.4143, 0.3212,  
0.3294

68.9517, 0.2276,  
0.3253

91.6223, 0.3212,  
0.3297

68.2992, 0.2248,  
0.3248

91.8307, 0.3211,  
0.3300

67.8954, 0.2234,  
0.3243

92.0396, 0.3211,  
0.3304

67.8871, 0.2234,  
0.3243

92.2488, 0.3211,  
0.3307

92.4584, 0.3211,  
0.3311

# Harmonies

## Analogous

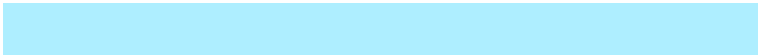
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.8674, 0.2886, 0.3530



77.8674, 0.2696, 0.3277



77.8674, 0.2618, 0.3041

# Triad

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



77.8674, 0.2696, 0.3277



77.8674, 0.3089, 0.2909



77.8674, 0.3601, 0.3686

# Complementary

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



77.8674, 0.2696, 0.3277



50.9208, 0.3792, 0.3303

# 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.



77.8674, 0.3664, 0.3503



77.8674, 0.2696, 0.3277



77.8674, 0.3362, 0.3065

# Square

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



77.8674, 0.2696, 0.3277



77.8674, 0.2838, 0.2843



77.8674, 0.3576, 0.3278



77.8674, 0.3409, 0.3770

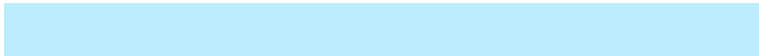


# Rectangle

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



77.8674, 0.2696, 0.3277



77.8674, 0.2638, 0.2927



77.8674, 0.3576, 0.3278



77.8674, 0.3638, 0.3633

# Sweetspot

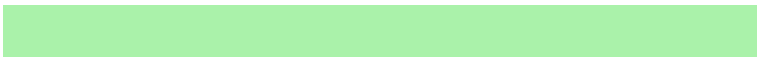
The Sweet Spot groups the original color and five complimentary colors.



77.8705, 0.2696, 0.3277



95.6936, 0.2988, 0.3286



74.9748, 0.3086, 0.4162



20.3435, 0.2966, 0.3286



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.



77.8705, 0.2696, 0.3277



85.7075, 0.2618, 0.3274



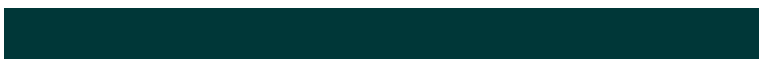
59.1068, 0.2650, 0.2864



17.8876, 0.2981, 0.3286



36.4743, 0.2234, 0.3244



3.0468, 0.2236, 0.3250



# Inverse Universe

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



53.9798, 0.3170, 0.2559



54.6606, 0.3180, 0.2407



65.9353, 0.3681, 0.3680



16.0273, 0.3140, 0.3061



13.4755, 0.3245, 0.1561

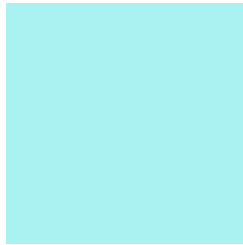


1.1223, 0.3240, 0.1559



# Previews

## White Background



This preview shows how the Yxy color 77.8674, 0.2696, 0.3277 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

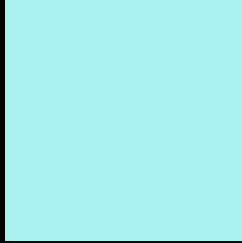
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.8674, 0.2696, 0.3277 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

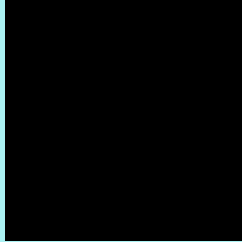
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 77.8674, 0.2696, 0.3277**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.8674, 0.2696, 0.3277.

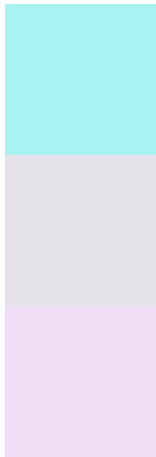


This preview shows how white text looks on a background with the Yxy color 77.8674, 0.2696, 0.3277.

# 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**

77.8674, 0.2696, 0.3277

**Protanopia**

77.0989, 0.3110, 0.3217

**Deuteranopia**

77.0675, 0.3104, 0.3037



## Tritanopia

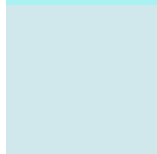
78.0724, 0.2680, 0.3103

# Trichromacy



## Original Color

77.8674, 0.2696, 0.3277



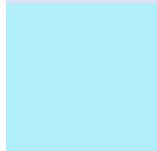
## Protanomaly

76.6179, 0.2944, 0.3235



## Deuteranomaly

76.5265, 0.2935, 0.3109



## Tritanomaly

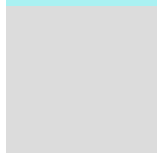
77.8652, 0.2685, 0.3167

# Monochromacy



## Original Color

77.8674, 0.2696, 0.3277



## Achromatopsia

71.5694, 0.3127, 0.3290



## Achromatomaly

73.6448, 0.2953, 0.3289

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.8674, 0.2696, 0.3277 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(170, 241, 242)` looks like.

```
.text, #text, p{  
    color:rgb(170, 241, 242)  
}
```

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(170, 241, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 241, 242) }
```

## Border

The CSS property to change the border of an element to Yxy 77.8674, 0.2696, 0.3277 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(170, 241, 242) }
```

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

```
.border{ border-color:rgb(170, 241, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 241, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 241, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 241, 242);  
box-shadow:4px 4px 4px 4px rgb(170, 241,  
242) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.8674, 0.2696, 0.3277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 241, 242) }
```

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

```
.background{ background-color: rgb(170,  
241, 242) }
```

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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