

# Converting Colors

$Yxy(74.9116, 0.2692, 0.3174)$

Have a look what the booklet for  
Yxy(74.9116, 0.2692, 0.3174)  
contains.

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# Color

**Yxy(75.0079, 0.2695, 0.3176)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AEEBF5
RGB	174, 235, 245
RGB Percent	68%, 92%, 96%
CMY	0.3176, 0.0784, 0.0392
CMYK	0.29, 0.04, 0.00, 0.04
HSL	188°, 78%, 82%
HSV	188°, 29%, 96%
XYZ	63.6481, 75.0079, 97.5150
YIQ	217.9010, -39.5660, -9.8220

# Conversions

## Conversions Part 2

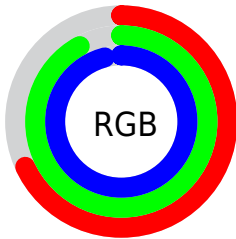
Format	Color
<b>RYB</b>	174, 207, 245
Decimal	11463669
CIELab	89.40, -16.86, -11.06
CIELCh	89, 20.162, 213.280
Yxy	75.0079, 0.2695, 0.3176
Android (android.graphics.Color)	4289653749 (0xFFAEEBF5)
YUV	217.9010, 13.3598, -38.5012
Hunter-Lab	86.6071, -20.3817, -6.1324

# Details

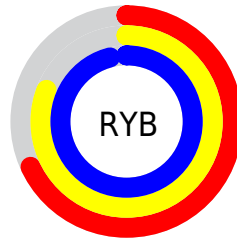
The Yxy color **75.0079, 0.2695, 0.3176** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **56.7607, 0.3741, 0.3400**, and the grayscale version is **69.9697, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7289, 0.2982, 0.3290**, and **39.8363, 0.2595, 0.3140** is the 20% darker color. If you saturate the color by 10%, you get **70.4901, 0.2563, 0.3131**, and if you desaturate by 10%, it is **80.0834, 0.2838, 0.3218**.

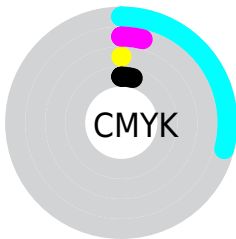
# Distribution



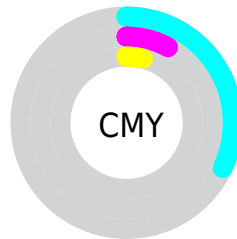
- Red (68%)
- Green (92%)
- Blue (96%)



- Red (68%)
- Yellow (81%)
- Blue (96%)



- Cyan (29%)
- Magenta (4%)
- Yellow (0%)
- Black (4%)



- Cyan (32%)
- Magenta (8%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.0079, 0.2695, 0.3176 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 75.0079, 0.2695, 0.3176 by changing the saturation by 10% instead.



75.0079, 0.2695,  
0.3176

75.0079, 0.2695,  
0.3176

477.9447, 0.2891,  
0.3232

55.6194, 0.2651,  
0.3163

126.3235, 0.2762,  
0.3196

39.8978, 0.2598,  
0.3146

159.0194, 0.2789,  
0.3204

27.4589, 0.2531,  
0.3124

196.9199, 0.2811,  
0.3210

17.9182, 0.2444,  
0.3094

240.4094, 0.2831,  
0.3216

10.8912, 0.2329,  
0.3053

289.8722, 0.2849,  
0.3220

5.9938, 0.2169,  
0.2990

345.6927, 0.2865,

2.8413, 0.1931,

0.3225

0.2887

408.2555, 0.2878,  
0.3228

■ 1.0494, 0.1491,  
0.2710

■ 0.0000, 0.0000,  
0.0000

■ 75.0079, 0.2695,  
0.3176

■ 75.0079, 0.2695,  
0.3176

■ 70.4901, 0.2563,  
0.3131

■ 80.0834, 0.2838,  
0.3218

■ 66.4927, 0.2444,  
0.3083

■ 85.7335, 0.2988,  
0.3258

■ 62.9881, 0.2342,  
0.3034

■ 91.9855, 0.3143,  
0.3294

■ 59.9418, 0.2259,  
0.2984

■ 95.4905, 0.3189,  
0.3327

■ 57.3150, 0.2194,  
0.2933

■ 97.6431, 0.3187,  
0.3360

■ 55.0612, 0.2150,  
0.2883

■ 99.3731, 0.3185,  
0.3386

■ 53.1116, 0.2122,  
0.2834

■ 52.9201, 0.2119,  
0.2829

# Harmonies

## Analogous

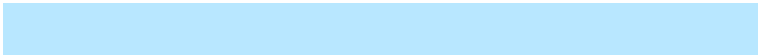
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.0079, 0.2823, 0.3402



75.0079, 0.2695, 0.3176



75.0079, 0.2678, 0.2994

# Triad

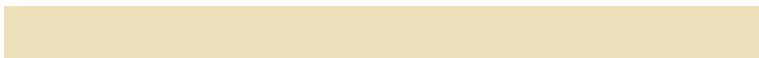
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.0079, 0.2695, 0.3176



75.0079, 0.3209, 0.3005



75.0079, 0.3482, 0.3692

# Complementary

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



75.0079, 0.2695, 0.3176



56.7607, 0.3741, 0.3400

# 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.



75.0079, 0.3596, 0.3566



75.0079, 0.2695, 0.3176



75.0079, 0.3436, 0.3174

# Square

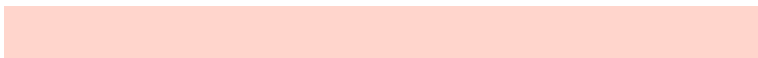
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.0079, 0.2695, 0.3176



75.0079, 0.2968, 0.2905



75.0079, 0.3579, 0.3376



75.0079, 0.3274, 0.3710

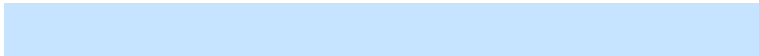


# Rectangle

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



75.0079, 0.2695, 0.3176



75.0079, 0.2732, 0.2919



75.0079, 0.3579, 0.3376



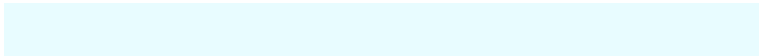
75.0079, 0.3533, 0.3660

# Sweetspot

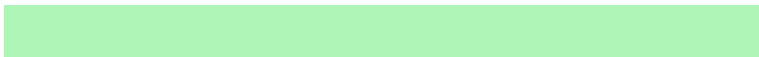
The Sweet Spot groups the original color and five complimentary colors.



75.0109, 0.2695, 0.3176



93.8575, 0.2988, 0.3258



77.7492, 0.3035, 0.4019



19.8877, 0.2965, 0.3252



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

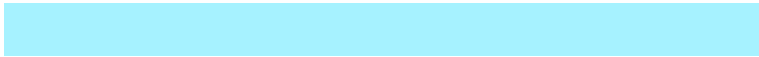


# Same Dimension

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



75.0109, 0.2695, 0.3176



79.0543, 0.2613, 0.3149



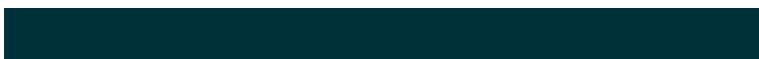
56.9233, 0.2650, 0.2763



18.3362, 0.2981, 0.3256



28.6623, 0.2121, 0.2837



2.6262, 0.2139, 0.2899



# Inverse Universe

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



55.6901, 0.3240, 0.2661



54.8777, 0.3268, 0.2529



73.1218, 0.3637, 0.3765



16.7258, 0.3160, 0.3089



12.9928, 0.3601, 0.1757

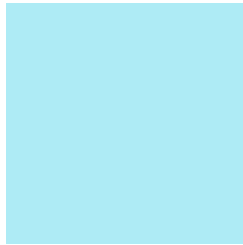


1.1528, 0.3544, 0.1726



# Previews

## White Background



This preview shows how the Yxy color 75.0079, 0.2695, 0.3176 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

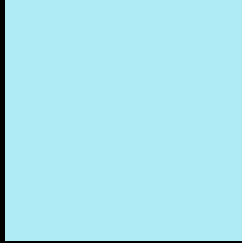
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.0079, 0.2695, 0.3176 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 75.0079, 0.2695, 0.3176**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.0079, 0.2695, 0.3176.

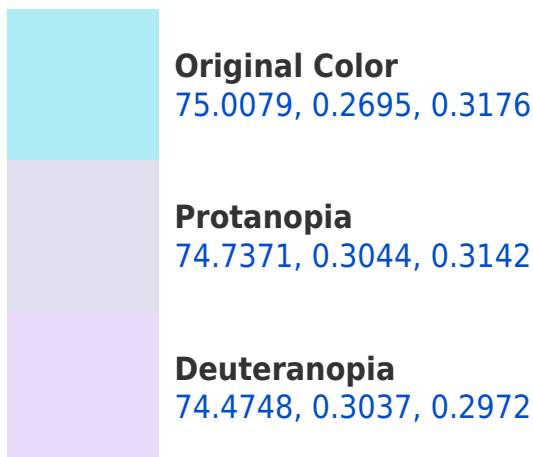


This preview shows how white text looks on a background with the Yxy color 75.0079, 0.2695, 0.3176.

# 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

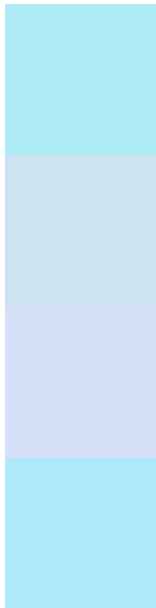




## Tritanopia

75.1676, 0.2664, 0.3078

# Trichromacy



**Original Color**

75.0079, 0.2695, 0.3176

**Protanomaly**

74.3513, 0.2907, 0.3148

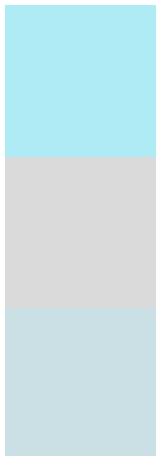
**Deuteranomaly**

74.0857, 0.2897, 0.3034

**Tritanomaly**

74.8617, 0.2674, 0.3110

# Monochromacy



**Original Color**

75.0079, 0.2695, 0.3176

**Achromatopsia**

70.1102, 0.3127, 0.3290

**Achromatomaly**

71.4693, 0.2952, 0.3245

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.0079, 0.2695, 0.3176 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(174, 235, 245)` looks like.

```
.text, #text, p{  
    color:rgb(174, 235, 245)  
}
```

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(174, 235, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 235, 245) }
```

## Border

The CSS property to change the border of an element to Yxy 75.0079, 0.2695, 0.3176 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(174, 235, 245) }
```

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

```
.border{ border-color:rgb(174, 235, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 235, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 235, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 235, 245);  
box-shadow:4px 4px 4px 4px rgb(174, 235,  
245) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.0079, 0.2695, 0.3176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 235, 245) }
```

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

```
.background{ background-color: rgb(174,  
235, 245) }
```

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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