

# Converting Colors

$Yxy(75.9036, 0.2694, 0.3225)$

Have a look what the booklet for  
Yxy(75.9036, 0.2694, 0.3225)  
contains.

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# Color

**Yxy(75.6974, 0.2691, 0.3221)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABEDF3
RGB	171, 237, 243
RGB Percent	67%, 93%, 95%
CMY	0.3298, 0.0705, 0.0470
CMYK	0.30, 0.02, 0.00, 0.05
HSL	185°, 75%, 81%
HSV	185°, 30%, 95%
XYZ	63.2418, 75.6974, 96.0729
YIQ	217.9500, -41.2620, -12.1260

# Conversions

## Conversions Part 2

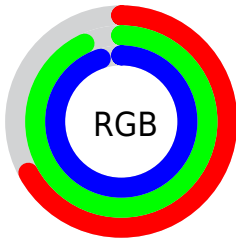
Format	Color
R <sub>Y</sub> B	171, 205, 243
Decimal	11267571
CIE Lab	89.72, -19.18, -9.55
CIE LCh	90, 21.424, 206.483
Yxy	75.6974, 0.2691, 0.3221
Android (android.graphics.Color)	4289457651 (0xFFABEDF3)
YUV	217.9500, 12.3497, -41.1751
Hunter-Lab	87.0043, -22.5091, -4.5670

# Details

The Yxy color **75.6974, 0.2691, 0.3221** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **53.3938, 0.3773, 0.3358**, and the grayscale version is **69.9992, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **40.3486, 0.2592, 0.3199** is the 20% darker color. If you saturate the color by 10%, you get **72.0586, 0.2565, 0.3195**, and if you desaturate by 10%, it is **79.8569, 0.2830, 0.3246**.

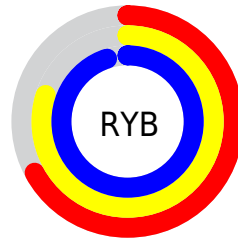
# Distribution



Red (67%)

Green (93%)

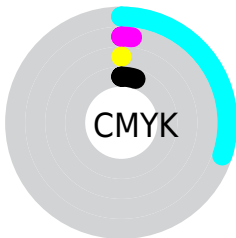
Blue (95%)



Red (67%)

Yellow (80%)

Blue (95%)

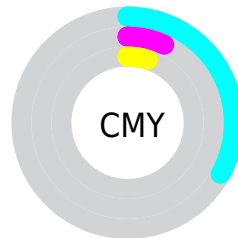


Cyan (30%)

Magenta (2%)

Yellow (0%)

Black (5%)



Cyan (33%)

Magenta (7%)

Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.6974, 0.2691, 0.3221 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 75.6974, 0.2691, 0.3221 by changing the saturation by 10% instead.



 75.6974, 0.2691,  
0.3221

 75.6974, 0.2691,  
0.3221


480.3112, 0.2889,  
0.3256

 56.1844, 0.2647,  
0.3212


 127.2991, 0.2759,  
0.3234

 40.3508, 0.2593,  
0.3201


160.1566, 0.2785,  
0.3239

 27.8122, 0.2525,  
0.3186


198.2310, 0.2808,  
0.3243

 18.1841, 0.2439,  
0.3166

241.9068, 0.2828,  
0.3246

 11.0823, 0.2323,  
0.3137

291.5683, 0.2846,  
0.3249

 6.1222, 0.2162,  
0.3092

347.5999, 0.2862,

 2.9195, 0.1923,

0.3252

410.3861, 0.2876,  
0.3254

0.3016

1.0899, 0.1469,  
0.2887

0.0000, 0.0000,  
0.0000

75.6974, 0.2691,  
0.3221

75.6974, 0.2691,  
0.3221

72.0586, 0.2565,  
0.3195

79.8569, 0.2830,  
0.3246

68.9038, 0.2454,  
0.3167

84.5535, 0.2978,  
0.3269

66.2059, 0.2360,  
0.3139

89.8139, 0.3132,  
0.3291

63.9311, 0.2286,  
0.3110

93.0881, 0.3204,  
0.3310

■ 62.0411, 0.2231,  
0.3081

■ 94.3152, 0.3203,  
0.3330

■ 60.4899, 0.2195,  
0.3053

■ 95.5556, 0.3201,  
0.3349

■ 59.2039, 0.2174,  
0.3025

■ 96.8094, 0.3200,  
0.3368

■ 59.1628, 0.2173,  
0.3024

■ 98.0765, 0.3198,  
0.3388

■ 99.2512, 0.3197,  
0.3405

# Harmonies

## Analogous

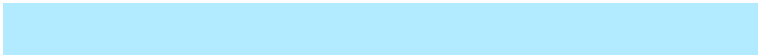
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.6974, 0.2849, 0.3462



75.6974, 0.2691, 0.3221



75.6974, 0.2646, 0.3012

# Triad

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



75.6974, 0.2691, 0.3221



75.6974, 0.3154, 0.2957



75.6974, 0.3541, 0.3693

# Complementary

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



75.6974, 0.2691, 0.3221



53.3938, 0.3773, 0.3358

# 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.



75.6974, 0.3633, 0.3539



75.6974, 0.2691, 0.3221



75.6974, 0.3405, 0.3122

# Square

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



75.6974, 0.2691, 0.3221



75.6974, 0.2905, 0.2872



75.6974, 0.3583, 0.3331



75.6974, 0.3338, 0.3743

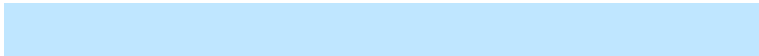


# Rectangle

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



75.6974, 0.2691, 0.3221



75.6974, 0.2684, 0.2919



75.6974, 0.3583, 0.3331



75.6974, 0.3586, 0.3651

# Sweetspot

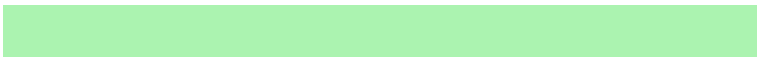
The Sweet Spot groups the original color and five complimentary colors.



75.7004, 0.2691, 0.3221



94.6954, 0.2988, 0.3271



75.8743, 0.3060, 0.4099



20.0956, 0.2966, 0.3267



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.



75.7004, 0.2691, 0.3221



81.7844, 0.2608, 0.3204



57.4312, 0.2645, 0.2807



18.5087, 0.2981, 0.3270



32.5667, 0.2175, 0.3028



2.9305, 0.2184, 0.3063



# Inverse Universe

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



54.2633, 0.3209, 0.2607



54.2646, 0.3230, 0.2461



68.9608, 0.3665, 0.3728



16.7432, 0.3151, 0.3076



13.3870, 0.3429, 0.1663

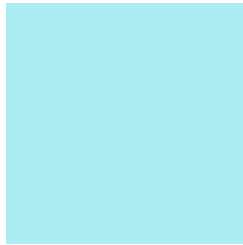


1.1835, 0.3399, 0.1646



# Previews

## White Background



This preview shows how the Yxy color 75.6974, 0.2691, 0.3221 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

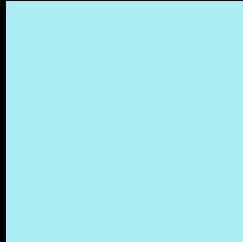
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.6974, 0.2691, 0.3221 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

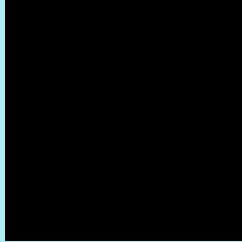
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 75.6974, 0.2691, 0.3221**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.6974, 0.2691, 0.3221.

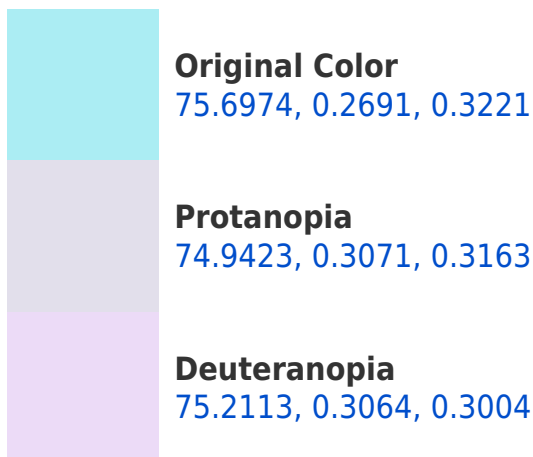


This preview shows how white text looks on a background with the Yxy color 75.6974, 0.2691, 0.3221.

# 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

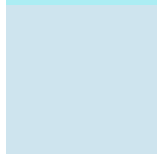
75.4567, 0.2644, 0.3077

# Trichromacy



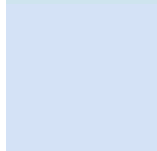
## Original Color

75.6974, 0.2691, 0.3221



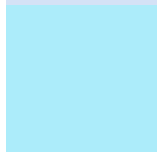
## Protanomaly

74.7817, 0.2919, 0.3181



## Deuteranomaly

75.0436, 0.2910, 0.3076



## Tritanomaly

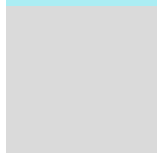
75.6637, 0.2660, 0.3132

# Monochromacy



## Original Color

75.6974, 0.2691, 0.3221



## Achromatopsia

70.1102, 0.3127, 0.3290



## Achromatomaly

71.8140, 0.2952, 0.3267

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.6974, 0.2691, 0.3221 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(171, 237, 243)` looks like.

```
.text, #text, p{  
    color:rgb(171, 237, 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(171, 237, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 237, 243) }
```

## Border

The CSS property to change the border of an element to Yxy 75.6974, 0.2691, 0.3221 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(171, 237, 243) }
```

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

```
.border{ border-color:rgb(171, 237, 243) }
```

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

Here you see how a box with a 4 pixel rgb(171, 237, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 237, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 237, 243);  
box-shadow:4px 4px 4px 4px rgb(171, 237,  
243) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.6974, 0.2691, 0.3221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 237, 243) }
```

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

```
.background{ background-color: rgb(171,  
237, 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](#).

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