

# Converting Colors

$Yxy(76.0522, 0.2710, 0.3289)$

Have a look what the booklet for  
Yxy(76.0522, 0.2710, 0.3289)  
contains.

<b>Yxy(75.8682, 0.2713, 0.3289)</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(75.8682, 0.2713, 0.3289)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AAEEEE
RGB	170, 238, 238
RGB Percent	67%, 93%, 93%
CMY	0.3334, 0.0666, 0.0667
CMYK	0.29, 0.00, 0.00, 0.07
HSL	180°, 67%, 80%
HSV	180°, 29%, 93%
XYZ	62.5815, 75.8682, 92.2229
YIQ	217.6680, -40.5280, -14.4160

# Conversions

## Conversions Part 2

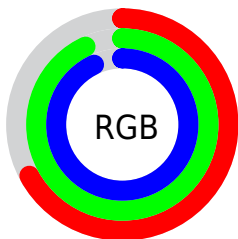
Format	Color
R <sub>Y</sub> B	170, 204, 238
Decimal	11202286
CIE Lab	89.80, -21.04, -6.82
CIE LCh	90, 22.121, 197.955
Yxy	75.8682, 0.2713, 0.3289
Android (android.graphics.Color)	4289392366 (0xFFAAEEEE)
YUV	217.6680, 10.0237, -41.8048
Hunter-Lab	87.1024, -24.1801, -1.8039

# Details

The Yxy color **75.8682, 0.2713, 0.3289** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **49.8285, 0.3758, 0.3292**, and the grayscale version is **69.8214, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0709, 0.2958, 0.3290**, and **40.4781, 0.2619, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **73.4542, 0.2592, 0.3289**, and if you desaturate by 10%, it is **78.7685, 0.2848, 0.3289**.

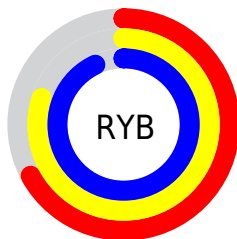
# Distribution



Red (67%)

Green (93%)

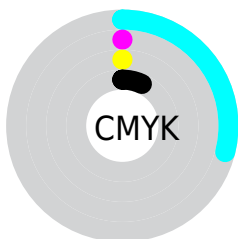
Blue (93%)



Red (67%)

Yellow (80%)

Blue (93%)

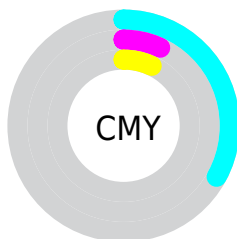


Cyan (29%)

Magenta (0%)

Yellow (0%)

Black (7%)



Cyan (33%)

Magenta (7%)


Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.8682, 0.2713, 0.3289 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 75.8682, 0.2713, 0.3289 by changing the saturation by 10% instead.




 75.8682, 0.2713,  
0.3289

 75.8682, 0.2713,  
0.3289


480.8964, 0.2901,  
0.3292

 56.3244, 0.2671,  
0.3288


 127.5406, 0.2778,  
0.3291

 40.4631, 0.2619,  
0.3285


160.4380, 0.2803,  
0.3291

 27.8998, 0.2555,  
0.3282


198.5554, 0.2825,  
0.3292

 18.2501, 0.2472,  
0.3277

242.2772, 0.2844,  
0.3292

 11.1297, 0.2361,  
0.3269

291.9878, 0.2861,  
0.3292

 6.1542, 0.2205,  
0.3253

348.0716, 0.2876,

 2.9390, 0.1973,

0.3292

410.9130, 0.2889,  
0.3292

0.3222

1.1000, 0.1497,  
0.3184

0.0000, 0.0000,  
0.0000

75.8682, 0.2713,  
0.3289

75.8682, 0.2713,  
0.3289

73.4542, 0.2592,  
0.3289

78.7685, 0.2848,  
0.3289

71.4913, 0.2488,  
0.3289

82.1699, 0.2995,  
0.3290

69.9543, 0.2402,  
0.3288


86.0978, 0.3150,  
0.3290

68.8116, 0.2336,  
0.3288

88.5876, 0.3241,  
0.3290

 68.0272, 0.2290,  
0.3288

 88.5881, 0.3241,  
0.3290

 67.5589, 0.2261,  
0.3288

 88.5885, 0.3241,  
0.3290

 67.3447, 0.2248,  
0.3288

 88.5890, 0.3241,  
0.3290

 67.3228, 0.2247,  
0.3288

 88.5894, 0.3240,  
0.3290

 88.5898, 0.3240,  
0.3290

# Harmonies

## Analogous

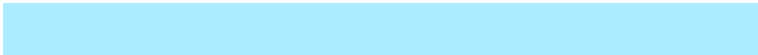
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.8682, 0.2903, 0.3534



75.8682, 0.2713, 0.3289



75.8682, 0.2632, 0.3057

# Triad

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



75.8682, 0.2713, 0.3289



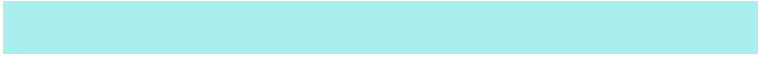
75.8682, 0.3079, 0.2913



75.8682, 0.3595, 0.3669

# Complementary

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



75.8682, 0.2713, 0.3289



49.8285, 0.3758, 0.3292

# 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.



75.8682, 0.3650, 0.3489



75.8682, 0.2713, 0.3289



75.8682, 0.3344, 0.3062

# Square

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



75.8682, 0.2713, 0.3289



75.8682, 0.2836, 0.2853



75.8682, 0.3557, 0.3269



75.8682, 0.3412, 0.3756

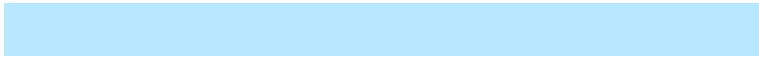


# Rectangle

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



75.8682, 0.2713, 0.3289



75.8682, 0.2647, 0.2943



75.8682, 0.3557, 0.3269



75.8682, 0.3629, 0.3617

# Sweetspot

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



75.8713, 0.2713, 0.3289



95.9037, 0.2988, 0.3290



72.7279, 0.3095, 0.4119



20.3958, 0.2966, 0.3290



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.



75.8713, 0.2713, 0.3289



87.0960, 0.2644, 0.3289



58.4458, 0.2672, 0.2898



17.9289, 0.2981, 0.3290



37.5566, 0.2247, 0.3288



3.1244, 0.2247, 0.3288



# Inverse Universe

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



49.8285, 0.3758, 0.3292



52.2155, 0.3934, 0.3292



63.7298, 0.3658, 0.3651



15.7589, 0.3293, 0.3290



10.1411, 0.6400, 0.3300

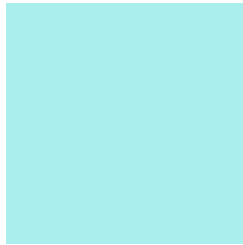


0.8437, 0.6400, 0.3299



# Previews

## White Background



This preview shows how the Yxy color 75.8682, 0.2713, 0.3289 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

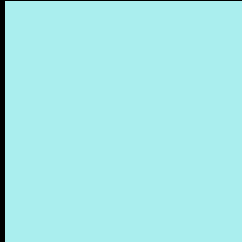
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.8682, 0.2713, 0.3289 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

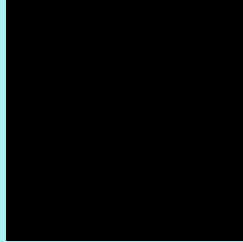
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 75.8682, 0.2713, 0.3289**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.8682, 0.2713, 0.3289.

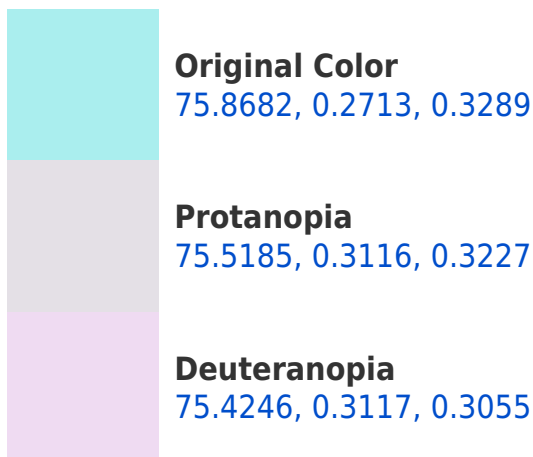


This preview shows how white text looks on a background with the Yxy color 75.8682, 0.2713, 0.3289.

# 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

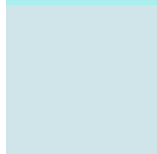
75.5711, 0.2649, 0.3078

# Trichromacy



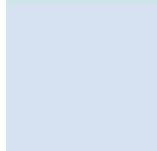
## Original Color

75.8682, 0.2713, 0.3289



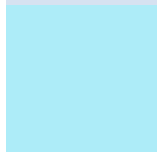
## Protanomaly

75.1872, 0.2955, 0.3246



## Deuteranomaly

75.0397, 0.2952, 0.3129



## Tritanomaly

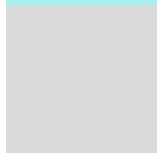
75.6525, 0.2675, 0.3154

# Monochromacy



## Original Color

75.8682, 0.2713, 0.3289



## Achromatopsia

70.1102, 0.3127, 0.3290



## Achromatomaly

71.7042, 0.2964, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.8682, 0.2713, 0.3289 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, 238, 238)` looks like.

```
.text, #text, p{  
    color:rgb(170, 238, 238)  
}
```

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, 238, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 238, 238) }
```

## Border

The CSS property to change the border of an element to Yxy 75.8682, 0.2713, 0.3289 is called "border". The border property can be set on classes, ids or directly on the HTML element.

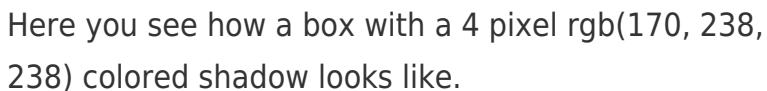
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(170, 238, 238) }
```

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

```
.border{ border-color:rgb(170, 238, 238) }
```

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



Here you see how a box with a 4 pixel rgb(170, 238, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 238, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 238, 238);  
box-shadow:4px 4px 4px 4px rgb(170, 238,  
238) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.8682, 0.2713, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 238, 238) }
```

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

```
.background{ background-color: rgb(170,  
238, 238) }
```

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