

# Converting Colors

$Yxy(80.2469, 0.2723, 0.3301)$

Have a look what the booklet for  
Yxy(80.2469, 0.2723, 0.3301)  
contains.

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# **Color**

**Yxy(80.2864, 0.2721, 0.3300)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AFF4F3
RGB	175, 244, 243
RGB Percent	69%, 96%, 95%
CMY	0.3139, 0.0431, 0.0470
CMYK	0.28, 0.00, 0.00, 0.04
HSL	179°, 76%, 82%
HSV	179°, 28%, 96%
XYZ	66.1998, 80.2864, 96.8059
YIQ	223.2550, -40.8030, -14.9390

# Conversions

## Conversions Part 2

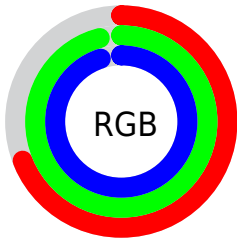
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	175, 210, 244
Decimal	11531507
CIE Lab	91.81, -21.50, -6.43
CIE LCh	92, 22.443, 196.646
Yxy	80.2864, 0.2721, 0.3300
Android (android.graphics.Color)	4289721587 (0xFFAFF4F3)
YUV	223.2550, 9.7343, -42.3196
Hunter-Lab	89.6027, -24.9262, -1.3345

# Details

The Yxy color **80.2864, 0.2721, 0.3300** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **53.0101, 0.3742, 0.3281**, and the grayscale version is **73.9291, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8958, 0.2987, 0.3290**, and **43.5474, 0.2632, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **77.6961, 0.2601, 0.3304**, and if you desaturate by 10%, it is **83.3933, 0.2855, 0.3296**.

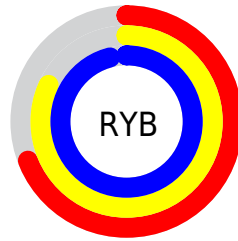
# Distribution



Red (69%)

Green (96%)

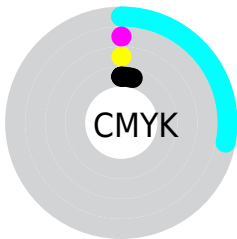
Blue (95%)



Red (69%)

Yellow (82%)

Blue (96%)

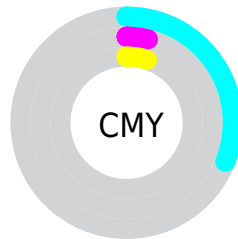


Cyan (28%)

Magenta (0%)

Yellow (0%)

Black (4%)



Cyan (31%)

Magenta (4%)


Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.2864, 0.2721, 0.3300 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 80.2864, 0.2721, 0.3300 by changing the saturation by 10% instead.





 80.2864, 0.2721,  
0.3300

 80.2864, 0.2721,  
0.3300


495.8975, 0.2904,  
0.3298

 59.9541, 0.2681,  
0.3300


 133.7683, 0.2783,  
0.3300

 43.3816, 0.2631,  
0.3299


167.6867, 0.2808,  
0.3300

 30.1846, 0.2570,  
0.3298


206.9025, 0.2829,  
0.3299

 19.9788, 0.2491,  
0.3296

251.8002, 0.2848,  
0.3299

 12.3796, 0.2386,  
0.3291

302.7642, 0.2864,  
0.3299

 7.0028, 0.2241,  
0.3282


360.1788, 0.2879,


 3.4638, 0.2028,


0.3299


0.3262


424.4284, 0.2892,  
0.3298


 1.3784, 0.1676,  
0.3216


 0.2007, 0.0000,  
0.2311


 80.2864, 0.2721,  
0.3300


 80.2864, 0.2721,  
0.3300


 77.6961, 0.2601,  
0.3304


 83.3933, 0.2855,  
0.3296


 75.5853, 0.2497,  
0.3309

 87.0325, 0.3000,  
0.3293

 73.9270, 0.2412,  
0.3313

 91.2310, 0.3154,  
0.3290

 72.6878, 0.2346,  
0.3318

 92.5275, 0.3196,  
0.3286

71.8296, 0.2300,  
0.3322

92.5491, 0.3194,  
0.3283

71.3075, 0.2273,  
0.3327

92.5709, 0.3192,  
0.3279

71.0584, 0.2260,  
0.3332

92.5926, 0.3190,  
0.3276

71.0281, 0.2259,  
0.3332

92.6144, 0.3187,  
0.3272

92.6363, 0.3185,  
0.3269

# Harmonies

## Analogous

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



80.2864, 0.2914, 0.3542



80.2864, 0.2721, 0.3300



80.2864, 0.2635, 0.3067

# Triad

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



80.2864, 0.2721, 0.3300



80.2864, 0.3067, 0.2910



80.2864, 0.3598, 0.3662

# Complementary

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



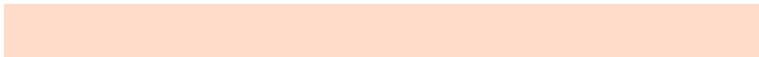
80.2864, 0.2721, 0.3300



53.0101, 0.3742, 0.3281

# 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.



80.2864, 0.3646, 0.3479



80.2864, 0.2721, 0.3300



80.2864, 0.3333, 0.3055

# Square

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



80.2864, 0.2721, 0.3300



80.2864, 0.2828, 0.2855



80.2864, 0.3548, 0.3259

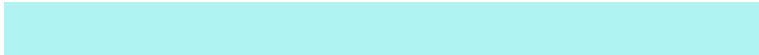


80.2864, 0.3421, 0.3753

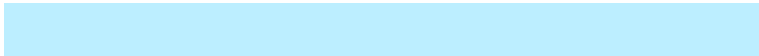


# Rectangle

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



80.2864, 0.2721, 0.3300



80.2864, 0.2646, 0.2950



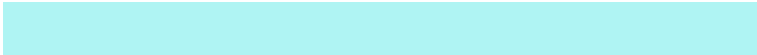
80.2864, 0.3548, 0.3259



80.2864, 0.3630, 0.3608

# Sweetspot

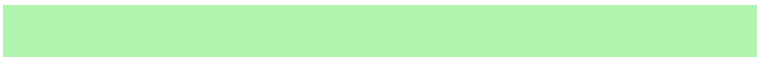
The Sweet Spot groups the original color and five complimentary colors.



80.2896, 0.2721, 0.3300



96.3150, 0.3005, 0.3293



77.0451, 0.3096, 0.4111



20.4766, 0.2982, 0.3293



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

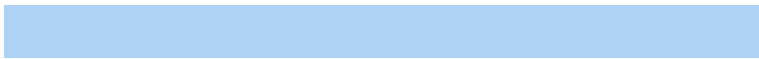
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.2896, 0.2721, 0.3300



87.0167, 0.2650, 0.3302



62.0480, 0.2675, 0.2902



18.7534, 0.2983, 0.3293



38.6181, 0.2259, 0.3332



3.3955, 0.2257, 0.3326



# Inverse Universe

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



53.0101, 0.3742, 0.3281



52.2620, 0.3922, 0.3279



67.6028, 0.3653, 0.3648



16.4864, 0.3292, 0.3287



10.4638, 0.6385, 0.3291

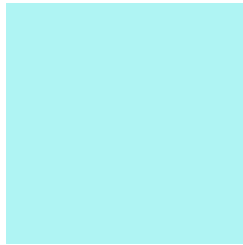


0.9210, 0.6346, 0.3270



# Previews

## White Background



This preview shows how the Yxy color 80.2864, 0.2721, 0.3300 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

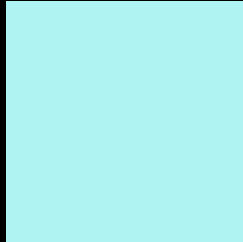
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.2864, 0.2721, 0.3300 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

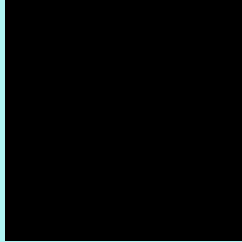
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 80.2864, 0.2721, 0.3300**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.2864, 0.2721, 0.3300.

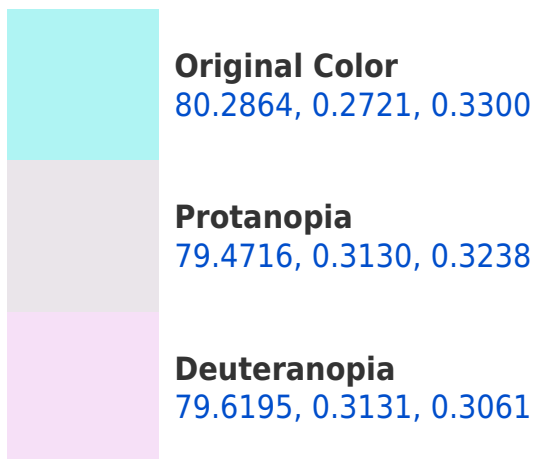


This preview shows how white text looks on a background with the Yxy color 80.2864, 0.2721, 0.3300.

# 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

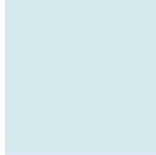
80.0294, 0.2742, 0.3117

# Trichromacy



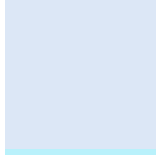
## Original Color

80.2864, 0.2721, 0.3300



## Protanomaly

79.1062, 0.2971, 0.3258



## Deuteranomaly

79.0213, 0.2962, 0.3133



## Tritanomaly

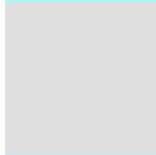
80.1899, 0.2731, 0.3180

# Monochromacy



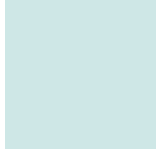
## Original Color

80.2864, 0.2721, 0.3300



## Achromatopsia

73.7910, 0.3127, 0.3290



## Achromatomaly

75.9868, 0.2967, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.2864, 0.2721, 0.3300 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(175, 244, 243)` looks like.

```
.text, #text, p{  
    color:rgb(175, 244, 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(175, 244, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 244, 243) }
```

## Border

The CSS property to change the border of an element to Yxy 80.2864, 0.2721, 0.3300 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(175, 244, 243) }
```

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

```
.border{ border-color:rgb(175, 244, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 244, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 244, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 244, 243);  
box-shadow:4px 4px 4px 4px rgb(175, 244,  
243) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.2864, 0.2721, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 244, 243) }
```

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

```
.background{ background-color: rgb(175,  
244, 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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