

# Converting Colors

$Yxy(73.0306, 0.2800, 0.3254)$

Have a look what the booklet for  
Yxy(73.0306, 0.2800, 0.3254)  
contains.

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# Color

**Yxy(73.1596, 0.2801, 0.3255)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7E7EA
RGB	183, 231, 234
RGB Percent	72%, 91%, 92%
CMY	0.2823, 0.0941, 0.0823
CMYK	0.22, 0.01, 0.00, 0.08
HSL	184°, 55%, 82%
HSV	184°, 22%, 92%
XYZ	62.9555, 73.1596, 88.6456
YIQ	216.9900, -29.5710, -9.2430

# Conversions

## Conversions Part 2

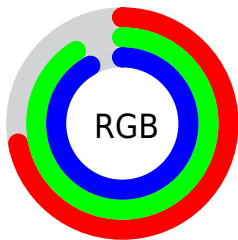
Format	Color
R <sub>Y</sub> B	183, 208, 234
Decimal	12052458
CIE Lab	88.52, -14.69, -6.54
CIE LCh	89, 16.075, 203.996
Yxy	73.1596, 0.2801, 0.3255
Android (android.graphics.Color)	4290242538 (0xFFB7E7EA)
YUV	216.9900, 8.3859, -29.8092
Hunter-Lab	85.5334, -18.3014, -1.5740

# Details

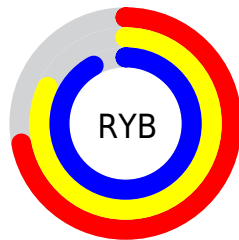
The Yxy color **73.1596, 0.2801, 0.3255** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **56.0291, 0.3563, 0.3325**, and the grayscale version is **69.3392, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2653, 0.3035, 0.3290**, and **38.5414, 0.2729, 0.3244** is the 20% darker color. If you saturate the color by 10%, you get **69.7608, 0.2666, 0.3237**, and if you desaturate by 10%, it is **77.0475, 0.2946, 0.3272**.

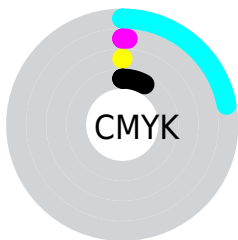
# Distribution



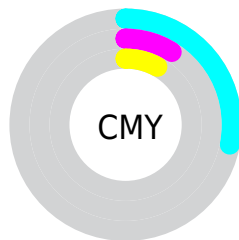
- Red (72%)
- Green (91%)
- Blue (92%)



- Red (72%)
- Yellow (82%)
- Blue (92%)



- Cyan (22%)
- Magenta (1%)
- Yellow (0%)
- Black (8%)




- Cyan (28%)
- Magenta (9%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.1596, 0.2801, 0.3255 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 73.1596, 0.2801, 0.3255 by changing the saturation by 10% instead.




 73.1596, 0.2801,  
0.3255

 73.1596, 0.2801,  
0.3255


471.5678, 0.2950,  
0.3273

 54.1065, 0.2767,  
0.3250


 123.7038, 0.2853,  
0.3262

 38.6868, 0.2726,  
0.3245

155.9636, 0.2873,  
0.3264

 26.5162, 0.2673,  
0.3237


193.3944, 0.2890,  
0.3266

 17.2102, 0.2606,  
0.3226

236.3807, 0.2905,  
0.3268

 10.3845, 0.2514,  
0.3210

285.3068, 0.2919,  
0.3270

 5.6546, 0.2384,  
0.3185

340.5570, 0.2930,

 2.6362, 0.2185,

0.3271

0.3140

402.5159, 0.2941,  
0.3272

0.9449, 0.1755,  
0.3081

0.0000, 0.0000,  
0.0000

73.1596, 0.2801,  
0.3255

73.1596, 0.2801,  
0.3255

69.7608, 0.2666,  
0.3237

77.0475, 0.2946,  
0.3272

66.8184, 0.2546,  
0.3218

81.4374, 0.3099,  
0.3287

64.3100, 0.2441,  
0.3199

86.3528, 0.3257,  
0.3302

62.2074, 0.2354,  
0.3179

87.4835, 0.3268,  
0.3315

■ 60.4791, 0.2287,  
0.3159

■ 88.2808, 0.3266,  
0.3328

■ 59.0889, 0.2239,  
0.3139

■ 89.0842, 0.3265,  
0.3342

■ 57.9935, 0.2209,  
0.3119

■ 89.8937, 0.3264,  
0.3355

■ 57.2578, 0.2195,  
0.3103

■ 90.7094, 0.3262,  
0.3369

■ 91.5313, 0.3261,  
0.3382

# Harmonies

## Analogous

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



73.1596, 0.2929, 0.3435



73.1596, 0.2801, 0.3255



73.1596, 0.2758, 0.3092

# Triad

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



73.1596, 0.2801, 0.3255



73.1596, 0.3133, 0.3026



73.1596, 0.3451, 0.3590

# Complementary

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



73.1596, 0.2801, 0.3255



56.0291, 0.3563, 0.3325

# 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.



73.1596, 0.3511, 0.3471



73.1596, 0.2801, 0.3255



73.1596, 0.3324, 0.3150

# Square

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



73.1596, 0.2801, 0.3255



73.1596, 0.2945, 0.2968



73.1596, 0.3464, 0.3310



73.1596, 0.3304, 0.3632

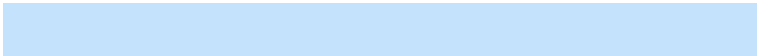


# Rectangle

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



73.1596, 0.2801, 0.3255



73.1596, 0.2782, 0.3015



73.1596, 0.3464, 0.3310



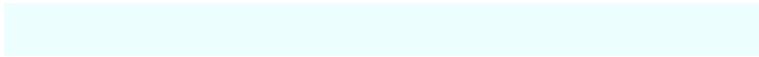
73.1596, 0.3482, 0.3558

# Sweetspot

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



73.1626, 0.2801, 0.3255



96.1028, 0.3018, 0.3279



72.4405, 0.3083, 0.3867



20.5012, 0.3009, 0.3278



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.



73.1626, 0.2801, 0.3255



87.0594, 0.2741, 0.3247



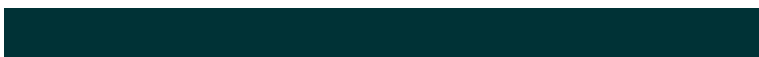
60.1275, 0.2780, 0.2961



16.9613, 0.2981, 0.3276



32.2412, 0.2196, 0.3106



2.5779, 0.2204, 0.3133



# Inverse Universe

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



57.1301, 0.3175, 0.2779



64.4978, 0.3186, 0.2676



67.5261, 0.3505, 0.3598



15.2976, 0.3147, 0.3071



12.7476, 0.3362, 0.1626

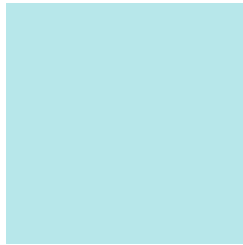


1.0057, 0.3339, 0.1613



# Previews

## White Background



This preview shows how the Yxy color 73.1596, 0.2801, 0.3255 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

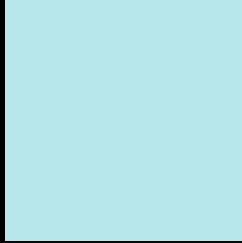
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.1596, 0.2801, 0.3255 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

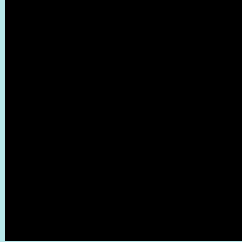
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

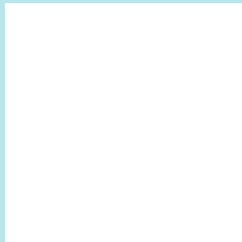
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.1596, 0.2801, 0.3255**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.1596, 0.2801, 0.3255.

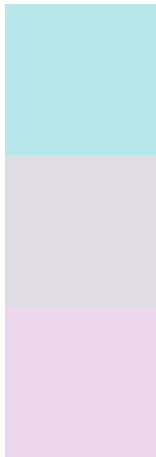


This preview shows how white text looks on a background with the Yxy color 73.1596, 0.2801, 0.3255.

# 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

73.1596, 0.2801, 0.3255

### Protanopia

72.6351, 0.3103, 0.3204

### Deuteranopia

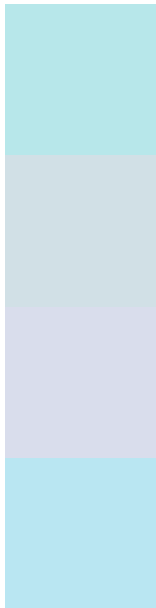
72.5482, 0.3131, 0.3062



## Tritanopia

73.1931, 0.2746, 0.3089

# Trichromacy



**Original Color**

73.1596, 0.2801, 0.3255

**Protanomaly**

72.5798, 0.2986, 0.3224

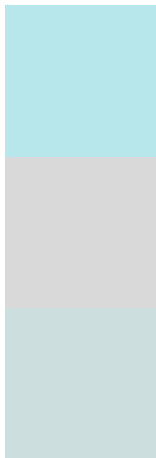
**Deuteranomaly**

72.5207, 0.3003, 0.3128

**Tritanomaly**

73.3187, 0.2768, 0.3155

# Monochromacy



**Original Color**

73.1596, 0.2801, 0.3255

**Achromatopsia**

69.3872, 0.3127, 0.3290

**Achromatomaly**

70.5494, 0.3003, 0.3278

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.1596, 0.2801, 0.3255 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(183, 231, 234)` looks like.

```
.text, #text, p{  
    color:rgb(183, 231, 234)  
}
```

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(183, 231, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 231, 234) }
```

## Border

The CSS property to change the border of an element to Yxy 73.1596, 0.2801, 0.3255 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(183, 231, 234) }
```

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

```
.border{ border-color:rgb(183, 231, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 231, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 231, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 231, 234);  
box-shadow:4px 4px 4px 4px rgb(183, 231,  
234) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.1596, 0.2801, 0.3255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 231, 234) }
```

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

```
.background{ background-color: rgb(183,  
231, 234) }
```

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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