

Converting Colors

$Yxy(73.4090, 0.2753, 0.3253)$

Have a look what the booklet for
Yxy(73.4090, 0.2753, 0.3253)
contains.

Yxy(73.5641, 0.2751, 0.3255)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(73.5641, 0.2751, 0.3255)

Conversions

Conversions Part 1

Format	Color
Hex	B0E9EC
RGB	176, 233, 236
RGB Percent	69%, 91%, 93%
CMY	0.3100, 0.0862, 0.0746
CMYK	0.25, 0.01, 0.00, 0.07
HSL	183°, 61%, 81%
HSV	183°, 25%, 93%
XYZ	62.1735, 73.5641, 90.2657
YIQ	216.2990, -34.9350, -11.1510

Conversions

Conversions Part 2

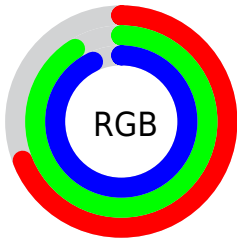
Format	Color
R _Y B	176, 205, 236
Decimal	11594220
CIE Lab	88.72, -17.33, -7.34
CIE LCh	89, 18.816, 202.950
Yxy	73.5641, 0.2751, 0.3255
Android (android.graphics.Color)	4289784300 (0xFFB0E9EC)
YUV	216.2990, 9.7126, -35.3422
Hunter-Lab	85.7695, -20.7037, -2.3595

Details

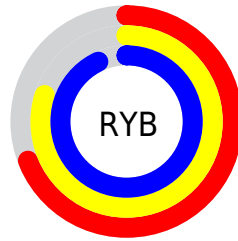
The Yxy color **73.5641, 0.2751, 0.3255** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **53.1717, 0.3659, 0.3325**, and the grayscale version is **68.8293, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **38.8771, 0.2669, 0.3243** is the 20% darker color. If you saturate the color by 10%, you get **70.3937, 0.2622, 0.3240**, and if you desaturate by 10%, it is **77.2229, 0.2892, 0.3270**.

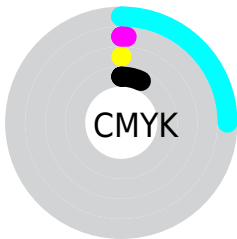
Distribution



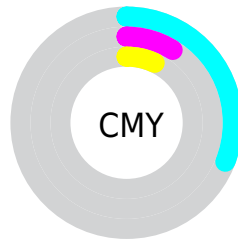
- Red (69%)
- Green (91%)
- Blue (93%)



- Red (69%)
- Yellow (80%)
- Blue (93%)



- Cyan (25%)
- Magenta (1%)
- Yellow (0%)
- Black (7%)




- Cyan (31%)
- Magenta (9%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 73.5641, 0.2751, 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 73.5641, 0.2751, 0.3255 by changing the saturation by 10% instead.


 73.5641, 0.2751,
0.3255

 73.5641, 0.2751,
0.3255


472.9676, 0.2923,
0.3274

 54.4373, 0.2712,
0.3250


 124.2777, 0.2810,
0.3262

 38.9514, 0.2665,
0.3244

156.6333, 0.2833,
0.3265

 26.7219, 0.2605,
0.3235


194.1674, 0.2853,
0.3267

 17.3645, 0.2528,
0.3224

237.2642, 0.2871,
0.3269

 10.4947, 0.2424,
0.3206

286.3083, 0.2886,
0.3270

 5.7282, 0.2277,
0.3178

341.6839, 0.2900,

 2.6805, 0.2055,

0.3271

403.7755, 0.2912,
0.3273

0.3128

0.9673, 0.1565,
0.3063

0.0000, 0.0000,
0.0000

73.5641, 0.2751,
0.3255

73.5641, 0.2751,
0.3255

70.3937, 0.2622,
0.3240

77.2229, 0.2892,
0.3270

67.6781, 0.2507,
0.3223

81.3841, 0.3043,
0.3283

65.3931, 0.2410,
0.3207

86.0723, 0.3199,
0.3296

63.5091, 0.2332,
0.3190

88.2796, 0.3254,
0.3307

■ 61.9923, 0.2273,
0.3173

■ 88.9599, 0.3253,
0.3318

■ 60.8035, 0.2233,
0.3157

■ 89.6446, 0.3252,
0.3330

■ 59.8944, 0.2210,
0.3140

■ 90.3337, 0.3251,
0.3341

■ 59.5378, 0.2204,
0.3133

■ 91.0272, 0.3250,
0.3352

■ 91.7252, 0.3249,
0.3364

Harmonies

Analogous

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



73.5641, 0.2902, 0.3466



73.5641, 0.2751, 0.3255



73.5641, 0.2698, 0.3063

Triad

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



73.5641, 0.2751, 0.3255



73.5641, 0.3125, 0.2980



73.5641, 0.3510, 0.3637

Complementary

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



73.5641, 0.2751, 0.3255



53.1717, 0.3659, 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.



73.5641, 0.3576, 0.3493



73.5641, 0.2751, 0.3255



73.5641, 0.3350, 0.3121

Square

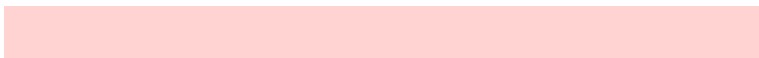
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.5641, 0.2751, 0.3255



73.5641, 0.2908, 0.2915



73.5641, 0.3517, 0.3305



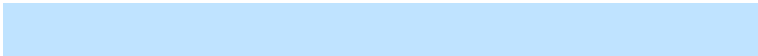
73.5641, 0.3340, 0.3691

Rectangle

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



73.5641, 0.2751, 0.3255



73.5641, 0.2723, 0.2973



73.5641, 0.3517, 0.3305



73.5641, 0.3545, 0.3597

Sweetspot

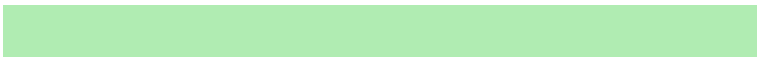
The Sweet Spot groups the original color and five complimentary colors.



73.5671, 0.2751, 0.3255



95.6924, 0.3003, 0.3280



72.4189, 0.3081, 0.3991



20.3184, 0.2980, 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.



73.5671, 0.2751, 0.3255



85.4963, 0.2676, 0.3246



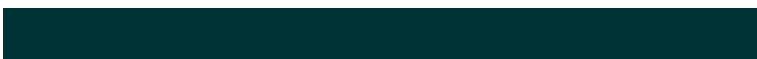
58.4505, 0.2720, 0.2911



16.9868, 0.2981, 0.3278



32.8814, 0.2204, 0.3135



2.6213, 0.2211, 0.3158

Inverse Universe

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



54.7470, 0.3180, 0.2686



59.2619, 0.3193, 0.2551



66.0600, 0.3581, 0.3642



15.3002, 0.3146, 0.3069



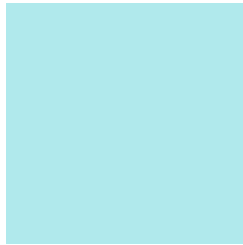
12.8122, 0.3337, 0.1612



1.0100, 0.3317, 0.1601

Previews

White Background



This preview shows how the Yxy color 73.5641, 0.2751, 0.3255 looks on a white background.

Color Contrast Check

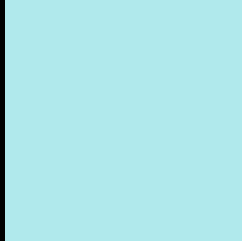
Large Text (above 18pt) WCAG AA × Fail

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 73.5641, 0.2751, 0.3255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

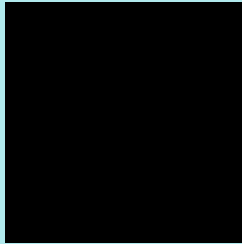
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.5641, 0.2751, 0.3255

Background



This preview shows how black text looks on a background with the Yxy color 73.5641, 0.2751, 0.3255.

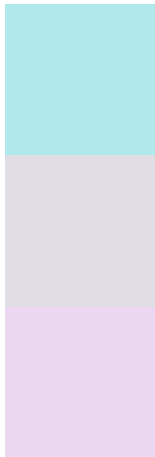


This preview shows how white text looks on a background with the Yxy color 73.5641, 0.2751, 0.3255.

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

73.5641, 0.2751, 0.3255

Protanopia

73.2173, 0.3096, 0.3204

Deuteranopia

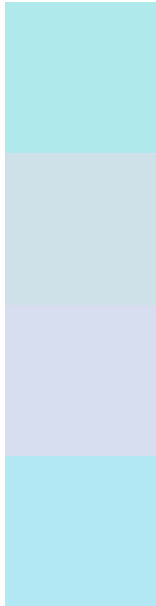
73.2359, 0.3110, 0.3042



Tritanopia

73.5751, 0.2697, 0.3088

Trichromacy



Original Color

73.5641, 0.2751, 0.3255

Protanomaly

72.9420, 0.2961, 0.3213

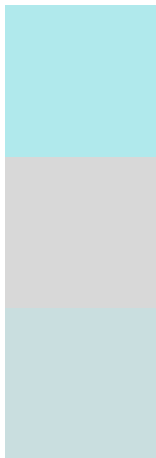
Deuteranomaly

72.7707, 0.2964, 0.3107

Tritanomaly

73.7099, 0.2719, 0.3154

Monochromacy



Original Color

73.5641, 0.2751, 0.3255

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

69.9878, 0.2976, 0.3278

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.5641, 0.2751, 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(176, 233, 236)` looks like.

```
.text, #text, p{  
    color:rgb(176, 233, 236)  
}
```

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(176, 233, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 233, 236) }
```

Border

The CSS property to change the border of an element to Yxy 73.5641, 0.2751, 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(176, 233, 236) }
```

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

```
.border{ border-color:rgb(176, 233, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 233, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 233, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 233, 236);  
box-shadow:4px 4px 4px 4px rgb(176, 233,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 73.5641, 0.2751, 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(176, 233, 236) }
```

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

```
.background{ background-color: rgb(176,  
233, 236) }
```

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