

Converting Colors

$Yxy(71.0724, 0.2710, 0.3199)$

Have a look what the booklet for
Yxy(71.0724, 0.2710, 0.3199)
contains.

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Color

Yxy(71.3660, 0.2714, 0.3208)

Conversions

Conversions Part 1

Format	Color
Hex	ABE6ED
RGB	171, 230, 237
RGB Percent	67%, 90%, 93%
CMY	0.3295, 0.0980, 0.0705
CMYK	0.28, 0.03, 0.00, 0.07
HSL	186°, 65%, 80%
HSV	186°, 28%, 93%
XYZ	60.3763, 71.3660, 90.7202
YIQ	213.1570, -37.4110, -10.3310

Conversions

Conversions Part 2

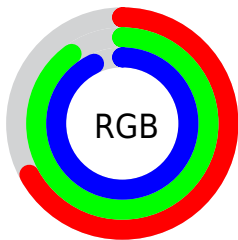
Format	Color
R _{YB}	171, 202, 237
Decimal	11265773
CIE _{Lab}	87.66, -17.01, -9.47
CIE _{LCh}	88, 19.466, 209.103
Yxy	71.3660, 0.2714, 0.3208
Android (android.graphics.Color)	4289455853 (0xFFABE6ED)
YUV	213.1570, 11.7546, -36.9717
Hunter-Lab	84.4784, -20.2640, -4.5359

Details

The Yxy color **71.3660, 0.2714, 0.3208** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.7845, 0.3716, 0.3370**, and the grayscale version is **66.5892, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **37.3902, 0.2622, 0.3182** is the 20% darker color. If you saturate the color by 10%, you get **67.5524, 0.2583, 0.3174**, and if you desaturate by 10%, it is **75.6827, 0.2856, 0.3240**.

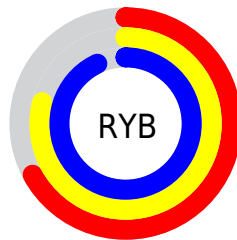
Distribution



Red (67%)

Green (90%)

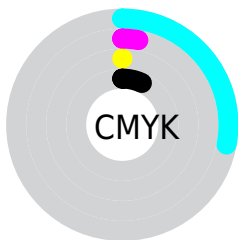
Blue (93%)



Red (67%)

Yellow (79%)

Blue (93%)

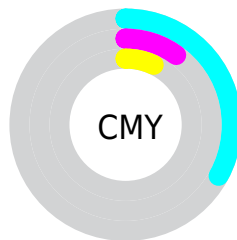


Cyan (28%)

Magenta (3%)

Yellow (0%)

Black (7%)



Cyan (33%)

Magenta (10%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.3660, 0.2714, 0.3208 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 71.3660, 0.2714, 0.3208 by changing the saturation by 10% instead.

71.3660, 0.2714,
0.3208

71.3660, 0.2714,
0.3208

465.3319, 0.2903,
0.3249

52.6409, 0.2671,
0.3198

121.1547, 0.2779,
0.3223

37.5162, 0.2619,
0.3185

152.9872, 0.2805,
0.3229

25.6074, 0.2553,
0.3168

189.9575, 0.2827,
0.3233

16.5302, 0.2467,
0.3145

232.4502, 0.2846,
0.3237

9.9001, 0.2351,
0.3111

280.8496, 0.2863,
0.3241

5.3328, 0.2188,
0.3059

335.5400, 0.2878,

2.4438, 0.1942,

0.3244

0.2970

396.9060, 0.2891,
0.3247

0.8483, 0.1318,
0.2858

0.0000, 0.0000,
0.0000

71.3660, 0.2714,
0.3208

71.3660, 0.2714,
0.3208

67.5524, 0.2583,
0.3174

75.6827, 0.2856,
0.3240

64.2076, 0.2467,
0.3139

80.5177, 0.3006,
0.3269

61.3067, 0.2367,
0.3103

85.8957, 0.3161,
0.3296

58.8185, 0.2286,
0.3066

89.7328, 0.3245,
0.3320

■ 56.7078, 0.2225,
0.3029

■ 91.2241, 0.3243,
0.3345

■ 54.9330, 0.2182,
0.2992

■ 92.7360, 0.3241,
0.3369

■ 53.4376, 0.2157,
0.2955

■ 94.2685, 0.3239,
0.3393

■ 53.1350, 0.2152,
0.2947

■ 95.8218, 0.3236,
0.3417

■ 97.3960, 0.3234,
0.3441

Harmonies

Analogous

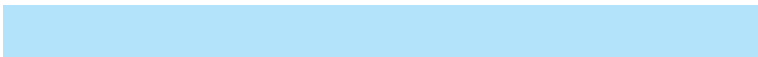
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.3660, 0.2853, 0.3431



71.3660, 0.2714, 0.3208



71.3660, 0.2682, 0.3020

Triad

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



71.3660, 0.2714, 0.3208



71.3660, 0.3174, 0.2991



71.3660, 0.3498, 0.3673

Complementary

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



71.3660, 0.2714, 0.3208



52.7845, 0.3716, 0.3370

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.



71.3660, 0.3593, 0.3537



71.3660, 0.2714, 0.3208



71.3660, 0.3403, 0.3150

Square

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



71.3660, 0.2714, 0.3208



71.3660, 0.2940, 0.2905



71.3660, 0.3558, 0.3347



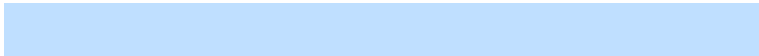
71.3660, 0.3304, 0.3707

Rectangle

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



71.3660, 0.2714, 0.3208



71.3660, 0.2724, 0.2938



71.3660, 0.3558, 0.3347



71.3660, 0.3543, 0.3637

Sweetspot

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



71.3689, 0.2714, 0.3208



94.9611, 0.3003, 0.3268



72.4291, 0.3051, 0.4013



20.1327, 0.2980, 0.3264



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.



71.3689, 0.2714, 0.3208



81.8168, 0.2644, 0.3191



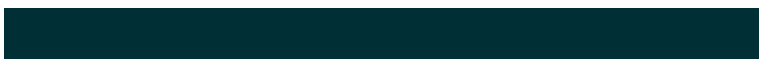
54.8853, 0.2674, 0.2815



16.8329, 0.2981, 0.3264



29.1235, 0.2154, 0.2953



2.3653, 0.2168, 0.3004

Inverse Universe

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



52.8418, 0.3216, 0.2664



56.9875, 0.3235, 0.2546



67.3372, 0.3620, 0.3723



15.2846, 0.3154, 0.3082



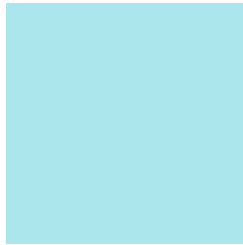
12.4328, 0.3495, 0.1699



0.9842, 0.3451, 0.1675

Previews

White Background



This preview shows how the Yxy color 71.3660, 0.2714, 0.3208 looks on a white background.

Color Contrast Check

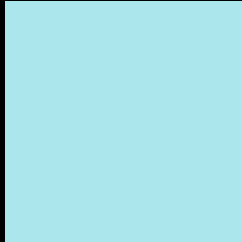
Large Text (above 18pt) WCAG AA × Fail

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 71.3660, 0.2714, 0.3208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

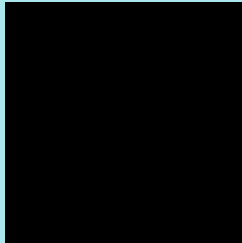
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.3660, 0.2714, 0.3208

Background



This preview shows how black text looks on a background with the Yxy color 71.3660, 0.2714, 0.3208.

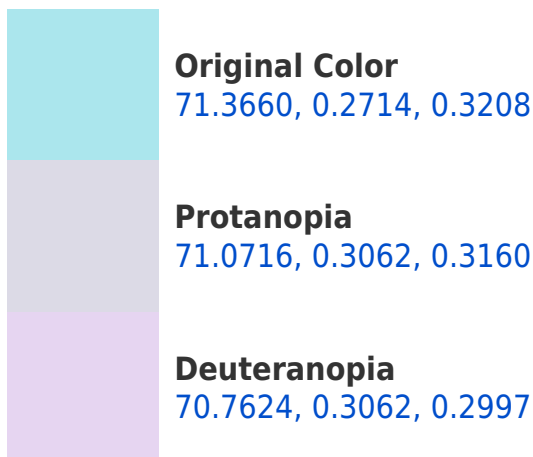


This preview shows how white text looks on a background with the Yxy color 71.3660, 0.2714, 0.3208.

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

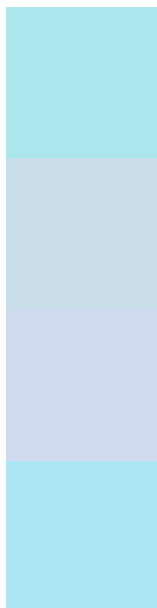




Tritanopia

71.0864, 0.2670, 0.3073

Trichromacy



Original Color

71.3660, 0.2714, 0.3208

Protanomaly

70.6823, 0.2921, 0.3167

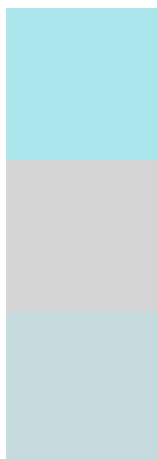
Deuteranomaly

70.5096, 0.2924, 0.3061

Tritanomaly

71.2803, 0.2687, 0.3129

Monochromacy



Original Color

71.3660, 0.2714, 0.3208

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

67.9427, 0.2961, 0.3255

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.3660, 0.2714, 0.3208 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, 230, 237)` looks like.

```
.text, #text, p{  
    color:rgb(171, 230, 237)  
}
```

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, 230, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 230, 237) }
```

Border

The CSS property to change the border of an element to Yxy 71.3660, 0.2714, 0.3208 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, 230, 237) }
```

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

```
.border{ border-color:rgb(171, 230, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 230, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 230, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 230, 237);  
box-shadow:4px 4px 4px 4px rgb(171, 230,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 71.3660, 0.2714, 0.3208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 230, 237) }
```

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

```
.background{ background-color: rgb(171,  
230, 237) }
```

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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