

Converting Colors

$Yxy(71.5072, 0.2715, 0.3287)$

Have a look what the booklet for
Yxy(71.5072, 0.2715, 0.3287)
contains.

Yxy(71.6464, 0.2715, 0.3289)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(71.6464, 0.2715, 0.3289)

Conversions

Conversions Part 1

Format	Color
Hex	A6E8E8
RGB	166, 232, 232
RGB Percent	65%, 91%, 91%
CMY	0.3491, 0.0902, 0.0902
CMYK	0.28, 0.00, 0.00, 0.09
HSL	180°, 59%, 78%
HSV	180°, 28%, 91%
XYZ	59.1426, 71.6464, 87.0474
YIQ	212.2660, -39.3360, -13.9920

Conversions

Conversions Part 2

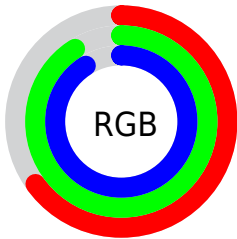
Format	Color
RYB	166, 199, 232
Decimal	10938600
CIELab	87.80, -20.54, -6.66
CIELCh	88, 21.593, 197.963
Yxy	71.6464, 0.2715, 0.3289
Android (android.graphics.Color)	4289128680 (0xFFA6E8E8)
YUV	212.2660, 9.7289, -40.5753
Hunter-Lab	84.6442, -23.4058, -1.7224

Details

The Yxy color **71.6464, 0.2715, 0.3289** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **47.1746, 0.3754, 0.3292**, and the grayscale version is **65.9761, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4280, 0.2935, 0.3289**, and **37.5648, 0.2619, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **69.3640, 0.2594, 0.3289**, and if you desaturate by 10%, it is **74.3868, 0.2850, 0.3289**.

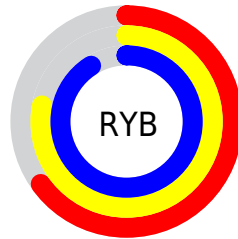
Distribution



Red (65%)

Green (91%)

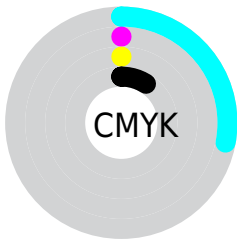
Blue (91%)



Red (65%)

Yellow (78%)

Blue (91%)

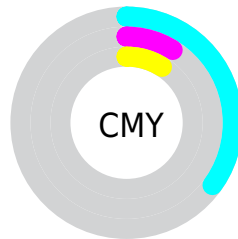


Cyan (28%)

Magenta (0%)

Yellow (0%)

Black (9%)



Cyan (35%)

Magenta (9%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.6464, 0.2715, 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 71.6464, 0.2715, 0.3289 by changing the saturation by 10% instead.

71.6464, 0.2715,
0.3289

71.6464, 0.2715,
0.3289

466.3099, 0.2904,
0.3292

52.8699, 0.2672,
0.3288

121.5537, 0.2780,
0.3291

37.6989, 0.2620,
0.3285

153.4532, 0.2806,
0.3291

25.7491, 0.2553,
0.3282

190.4959, 0.2828,
0.3292

16.6360, 0.2467,
0.3277

233.0661, 0.2847,
0.3292

9.9753, 0.2352,
0.3268

281.5482, 0.2864,
0.3292

5.3826, 0.2187,
0.3251

336.3266, 0.2879,

2.4735, 0.1938,

0.3292

397.7857, 0.2892,
0.3292

0.3217

0.8633, 0.1200,
0.3247

0.0000, 0.0000,
0.0000

71.6464, 0.2715,
0.3289

71.6464, 0.2715,
0.3289

69.3640, 0.2594,
0.3289

74.3868, 0.2850,
0.3289

67.5067, 0.2490,
0.3289

77.5990, 0.2997,
0.3290

66.0507, 0.2404,
0.3288

81.3071, 0.3151,
0.3290

64.9664, 0.2337,
0.3288


84.8064, 0.3285,
0.3290

 64.2202, 0.2290,
0.3288


 84.8068, 0.3285,
0.3290

 63.7723, 0.2262,
0.3288


 84.8072, 0.3285,
0.3290

 63.5650, 0.2248,
0.3288

 84.8076, 0.3285,
0.3290

 63.5419, 0.2247,
0.3288

 84.8081, 0.3285,
0.3290

 84.8085, 0.3285,
0.3290

Harmonies

Analogous

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



71.6464, 0.2904, 0.3533



71.6464, 0.2715, 0.3289



71.6464, 0.2634, 0.3058

Triad

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



71.6464, 0.2715, 0.3289



71.6464, 0.3079, 0.2915



71.6464, 0.3592, 0.3668

Complementary

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



71.6464, 0.2715, 0.3289



47.1746, 0.3754, 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.



71.6464, 0.3647, 0.3488



71.6464, 0.2715, 0.3289



71.6464, 0.3343, 0.3063

Square

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



71.6464, 0.2715, 0.3289



71.6464, 0.2837, 0.2856



71.6464, 0.3555, 0.3269



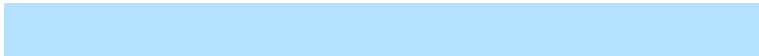
71.6464, 0.3411, 0.3754

Rectangle

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



71.6464, 0.2715, 0.3289



71.6464, 0.2649, 0.2944



71.6464, 0.3555, 0.3269



71.6464, 0.3626, 0.3615

Sweetspot

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



71.6493, 0.2715, 0.3289



95.9037, 0.2988, 0.3290



68.6954, 0.3096, 0.4114



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.



71.6493, 0.2715, 0.3289



87.0961, 0.2644, 0.3289



55.2835, 0.2674, 0.2901



16.3364, 0.2982, 0.3290



35.2724, 0.2247, 0.3288



2.6065, 0.2247, 0.3288

Inverse Universe

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



47.1746, 0.3754, 0.3292



52.2155, 0.3934, 0.3292



60.2492, 0.3654, 0.3649



14.3681, 0.3293, 0.3290



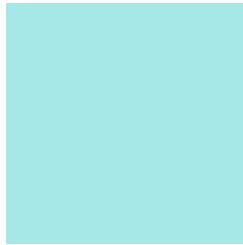
9.5244, 0.6400, 0.3300



0.7038, 0.6399, 0.3299

Previews

White Background



This preview shows how the Yxy color 71.6464, 0.2715, 0.3289 looks on a white background.

Color Contrast Check

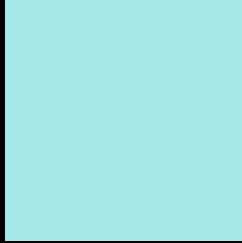
Large Text (above 18pt) WCAG AA × Fail

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 71.6464, 0.2715, 0.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

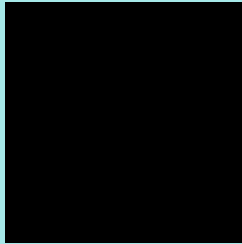
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.6464, 0.2715, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 71.6464, 0.2715, 0.3289.

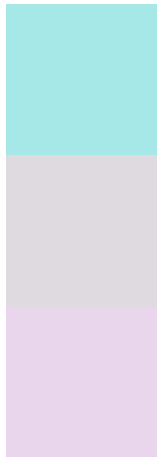


This preview shows how white text looks on a background with the Yxy color 71.6464, 0.2715, 0.3289.

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



Original Color

71.6464, 0.2715, 0.3289

Protanopia

71.0542, 0.3116, 0.3225

Deuteranopia

70.9683, 0.3117, 0.3049



Tritanopia

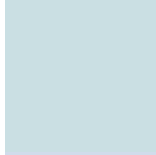
71.9170, 0.2651, 0.3084

Trichromacy



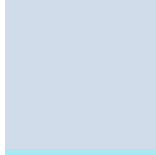
Original Color

71.6464, 0.2715, 0.3289



Protanomaly

70.8780, 0.2958, 0.3245



Deuteranomaly

70.7399, 0.2955, 0.3125



Tritanomaly

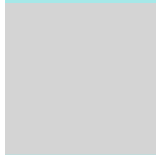
71.9976, 0.2678, 0.3163

Monochromacy



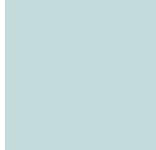
Original Color

71.6464, 0.2715, 0.3289



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

67.3796, 0.2960, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.6464, 0.2715, 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(166, 232, 232)` looks like.

```
.text, #text, p{  
    color:rgb(166, 232, 232)  
}
```

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(166, 232, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 232, 232) }
```

Border

The CSS property to change the border of an element to Yxy 71.6464, 0.2715, 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(166, 232, 232) }
```

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

```
.border{ border-color:rgb(166, 232, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 232, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 232, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 232, 232);  
box-shadow:4px 4px 4px 4px rgb(166, 232,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 71.6464, 0.2715, 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(166, 232, 232) }
```

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

```
.background{ background-color: rgb(166,  
232, 232) }
```

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