

Converting Colors

$Yxy(74.6845, 0.2746, 0.3320)$

Have a look what the booklet for
Yxy(74.6845, 0.2746, 0.3320)
contains.

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Color

Yxy(74.6448, 0.2748, 0.3323)

Conversions

Conversions Part 1

Format	Color
Hex	ACECE9
RGB	172, 236, 233
RGB Percent	67%, 93%, 91%
CMY	0.3252, 0.0745, 0.0862
CMYK	0.27, 0.00, 0.01, 0.07
HSL	177°, 63%, 80%
HSV	177°, 27%, 93%
XYZ	61.7285, 74.6448, 88.2574
YIQ	216.5220, -37.1810, -14.5010

Conversions

Conversions Part 2

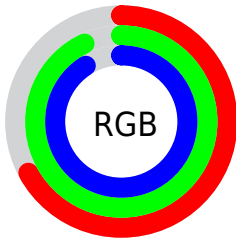
Format	Color
RYB	172, 205, 236
Decimal	11332841
CIELab	89.23, -20.56, -5.05
CIELCh	89, 21.176, 193.805
Yxy	74.6448, 0.2748, 0.3323
Android (android.graphics.Color)	4289522921 (0xFFACECE9)
YUV	216.5220, 8.1237, -39.0458
Hunter-Lab	86.3972, -23.6616, -0.0885

Details

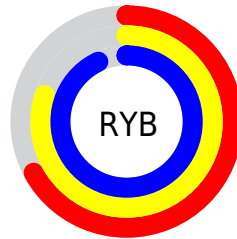
The Yxy color **74.6448, 0.2748, 0.3323** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **50.4573, 0.3687, 0.3258**, and the grayscale version is **69.0171, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3980, 0.2970, 0.3290**, and **39.6684, 0.2667, 0.3334** is the 20% darker color. If you saturate the color by 10%, you get **72.1467, 0.2629, 0.3337**, and if you desaturate by 10%, it is **77.6235, 0.2880, 0.3310**.

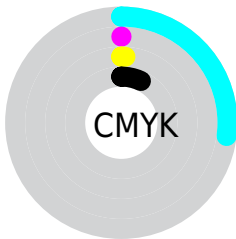
Distribution



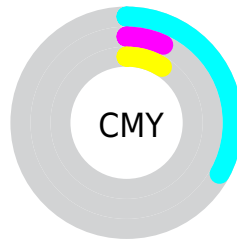
- Red (67%)
- Green (93%)
- Blue (91%)



- Red (67%)
- Yellow (80%)
- Blue (93%)



- Cyan (27%)
- Magenta (0%)
- Yellow (1%)
- Black (7%)





- Cyan (33%)
- Magenta (7%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.6448, 0.2748, 0.3323 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 74.6448, 0.2748, 0.3323 by changing the saturation by 10% instead.


 74.6448, 0.2748,
0.3323

 74.6448, 0.2748,
0.3323


476.6958, 0.2921,
0.3310

 55.3219, 0.2709,
0.3325

 125.8094, 0.2808,
0.3319

 39.6595, 0.2661,
0.3328


158.4200, 0.2831,
0.3317

 27.2732, 0.2601,
0.3331


196.2286, 0.2851,
0.3316

 17.7785, 0.2523,
0.3334

239.6196, 0.2869,
0.3314

 10.7911, 0.2419,
0.3337

288.9775, 0.2884,
0.3313

 5.9265, 0.2272,
0.3339


344.6865, 0.2898,

 2.8005, 0.2049,


0.3312


407.1312, 0.2910,
0.3311


0.3335


 1.0285, 0.1535,
0.3367


 0.0000, 0.0000,
0.0000


 74.6448, 0.2748,
0.3323


 74.6448, 0.2748,
0.3323


 72.1467, 0.2629,
0.3337

 77.6235, 0.2880,
0.3310


 70.0951, 0.2526,
0.3352

 81.0969, 0.3022,
0.3298

 68.4656, 0.2441,
0.3367

 85.0899, 0.3171,
0.3287

 67.2278, 0.2375,
0.3382

 87.3840, 0.3246,
0.3276

■ 66.3473, 0.2328,
0.3398

■ 87.4485, 0.3239,
0.3266

■ 65.7836, 0.2300,
0.3413

■ 87.5134, 0.3232,
0.3255

■ 65.4846, 0.2289,
0.3428

■ 87.5787, 0.3225,
0.3244

■ 65.4228, 0.2287,
0.3433

■ 87.6444, 0.3218,
0.3234

■ 87.7105, 0.3211,
0.3223

Harmonies

Analogous

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



74.6448, 0.2943, 0.3553



74.6448, 0.2748, 0.3323



74.6448, 0.2653, 0.3094

Triad

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



74.6448, 0.2748, 0.3323



74.6448, 0.3045, 0.2913



74.6448, 0.3593, 0.3636

Complementary

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



74.6448, 0.2748, 0.3323



50.4573, 0.3687, 0.3258

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.



74.6448, 0.3626, 0.3454



74.6448, 0.2748, 0.3323



74.6448, 0.3302, 0.3046

Square

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



74.6448, 0.2748, 0.3323



74.6448, 0.2819, 0.2869



74.6448, 0.3518, 0.3240



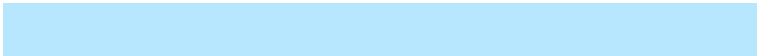
74.6448, 0.3432, 0.3734

Rectangle

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



74.6448, 0.2748, 0.3323



74.6448, 0.2657, 0.2975



74.6448, 0.3518, 0.3240



74.6448, 0.3619, 0.3582

Sweetspot

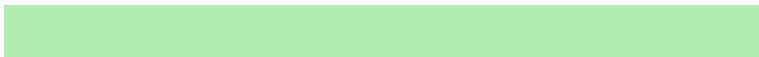
The Sweet Spot groups the original color and five complimentary colors.



74.6478, 0.2748, 0.3323



96.2732, 0.3008, 0.3299



72.1108, 0.3111, 0.4066



20.4660, 0.2986, 0.3301



0.0000, 0.0000, 0.0000



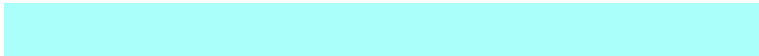
21.4041, 0.3127, 0.3290

Same Dimension

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



74.6478, 0.2748, 0.3323



87.1316, 0.2674, 0.3331



59.5677, 0.2699, 0.2948



17.1091, 0.2987, 0.3301



36.0709, 0.2286, 0.3430



2.8362, 0.2280, 0.3409

Inverse Universe

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



50.4573, 0.3687, 0.3258



53.4150, 0.3864, 0.3251



62.5069, 0.3631, 0.3609



15.0654, 0.3286, 0.3279



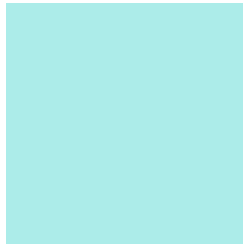
9.8483, 0.6351, 0.3272



0.7773, 0.6217, 0.3199

Previews

White Background



This preview shows how the Yxy color 74.6448, 0.2748, 0.3323 looks on a white background.

Color Contrast Check

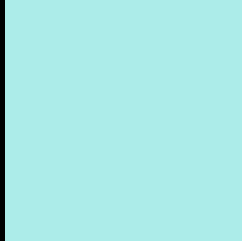
Large Text (above 18pt) WCAG AA × Fail

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 74.6448, 0.2748, 0.3323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

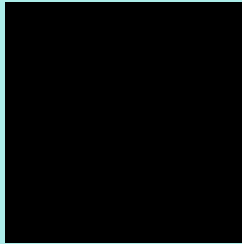
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

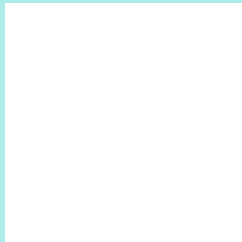
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 74.6448, 0.2748, 0.3323

Background



This preview shows how black text looks on a background with the Yxy color 74.6448, 0.2748, 0.3323.

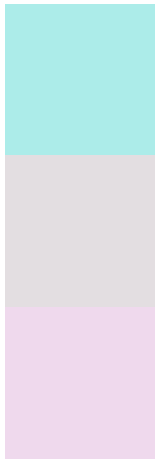


This preview shows how white text looks on a background with the Yxy color 74.6448, 0.2748, 0.3323.

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

74.6448, 0.2748, 0.3323

Protanopia

74.0097, 0.3143, 0.3258

Deuteranopia

74.0909, 0.3151, 0.3084



Tritanopia

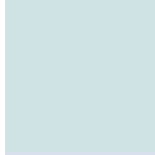
74.5362, 0.2667, 0.3077

Trichromacy



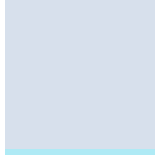
Original Color

74.6448, 0.2748, 0.3323



Protanomaly

73.8050, 0.2985, 0.3279



Deuteranomaly

73.8145, 0.2989, 0.3160



Tritanomaly

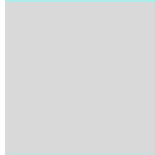
74.5522, 0.2699, 0.3165

Monochromacy



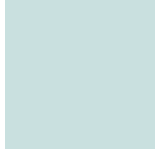
Original Color

74.6448, 0.2748, 0.3323



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

71.0565, 0.2976, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.6448, 0.2748, 0.3323 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(172, 236, 233)` looks like.

```
.text, #text, p{  
    color:rgb(172, 236, 233)  
}
```

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(172, 236, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 236, 233) }
```

Border

The CSS property to change the border of an element to Yxy 74.6448, 0.2748, 0.3323 is called "border". The border property can be set on classes, ids or directly on the HTML element.

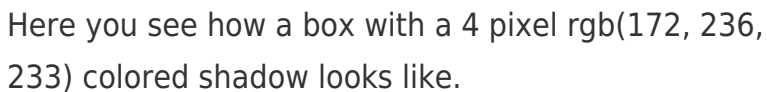
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(172, 236, 233) }
```

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

```
.border{ border-color:rgb(172, 236, 233) }
```

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



Here you see how a box with a 4 pixel `rgb(172, 236, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 236, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 236, 233); box-shadow:4px 4px 4px 4px rgb(172, 236, 233) }
```


Background

The CSS property to change the background color of an element to Yxy 74.6448, 0.2748, 0.3323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 236, 233) }
```

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

```
.background{ background-color: rgb(172,  
236, 233) }
```

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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