

Converting Colors

$Y_{xy}(76.7133, 0.2946, 0.3300)$

Have a look what the booklet for
Yxy(76.7133, 0.2946, 0.3300)
contains.

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Color

Yxy(76.9414, 0.2943, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	CCE9E8
RGB	204, 233, 232
RGB Percent	80%, 91%, 91%
CMY	0.1998, 0.0863, 0.0901
CMYK	0.12, 0.00, 0.00, 0.09
HSL	178°, 40%, 86%
HSV	178°, 12%, 91%
XYZ	68.6177, 76.9414, 87.5966
YIQ	224.2150, -16.9630, -6.4590

Conversions

Conversions Part 2

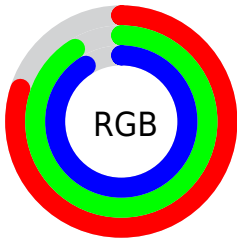
Format	Color
R_{YB}	204, 219, 233
Decimal	13429224
CIE _{Lab}	90.29, -9.62, -2.74
CIE _{LCh}	90, 10.009, 195.916
Yxy	76.9414, 0.2943, 0.3300
Android (android.graphics.Color)	4291619304 (0xFFCCE9E8)
YUV	224.2150, 3.8380, -17.7286
Hunter-Lab	87.7162, -13.8683, 2.1922

Details

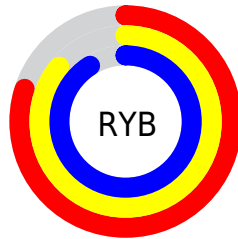
The Yxy color **76.9414, 0.2943, 0.3300** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.9377, 0.3345, 0.3280**, and the grayscale version is **74.6920, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.0629, 0.2907, 0.3304** is the 20% darker color. If you saturate the color by 10%, you get **73.8498, 0.2805, 0.3309**, and if you desaturate by 10%, it is **80.5321, 0.3090, 0.3292**.

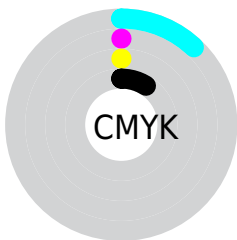
Distribution



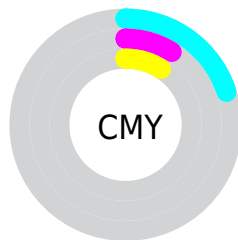
- Red (80%)
- Green (91%)
- Blue (91%)



- Red (80%)
- Yellow (86%)
- Blue (91%)



- Cyan (12%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)





- Cyan (20%)
- Magenta (9%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.9414, 0.2943, 0.3300 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 76.9414, 0.2943, 0.3300 by changing the saturation by 10% instead.


 76.9414, 0.2943,
0.3300

 76.9414, 0.2943,
0.3300


484.5642, 0.3027,
0.3296

 57.2048, 0.2924,
0.3301

129.0568, 0.2972,
0.3299

 41.1697, 0.2901,
0.3302


162.2043, 0.2983,
0.3298

 28.4517, 0.2871,
0.3303


200.5909, 0.2993,
0.3298

 18.6664, 0.2833,
0.3304

244.6010, 0.3002,
0.3297

 11.4295, 0.2782,
0.3305

294.6190, 0.3009,
0.3297

 6.3565, 0.2709,
0.3306

351.0293, 0.3016,

 3.0630, 0.2598,

0.3297

0.3307

414.2162, 0.3022,
0.3296

■ 1.1647, 0.2406,
0.3303

■ 0.0326, 0.0000,
0.1254

■ 76.9414, 0.2943,
0.3300

■ 76.9414, 0.2943,
0.3300

■ 73.8498, 0.2805,
0.3309

■ 80.5321, 0.3090,
0.3292

■ 71.2260, 0.2678,
0.3319


■ 84.6327, 0.3244,
0.3285

■ 69.0496, 0.2566,
0.3329

■ 85.4944, 0.3269,
0.3277

■ 67.2953, 0.2471,
0.3339

■ 85.5392, 0.3264,
0.3269


 65.9351, 0.2395,
0.3350


 85.5843, 0.3259,
0.3262

 64.9376, 0.2339,
0.3361


 85.6296, 0.3254,
0.3254

 64.2667, 0.2301,
0.3372

 85.6751, 0.3249,
0.3246

 63.8788, 0.2281,
0.3383

 85.7207, 0.3244,
0.3239

 63.7213, 0.2275,
0.3391

 85.7666, 0.3239,
0.3231

Harmonies

Analogous

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



76.9414, 0.3034, 0.3404



76.9414, 0.2943, 0.3300



76.9414, 0.2900, 0.3195

Triad

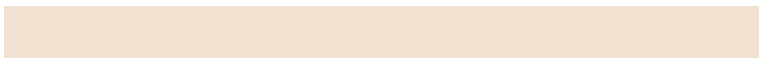
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.9414, 0.2943, 0.3300



76.9414, 0.3099, 0.3112



76.9414, 0.3341, 0.3460

Complementary

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



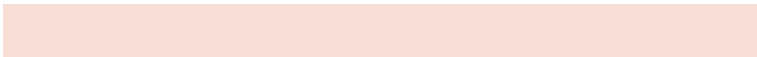
76.9414, 0.2943, 0.3300



64.9377, 0.3345, 0.3280

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.



76.9414, 0.3360, 0.3378



76.9414, 0.2943, 0.3300



76.9414, 0.3218, 0.3180

Square

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



76.9414, 0.2943, 0.3300



76.9414, 0.2989, 0.3089



76.9414, 0.3314, 0.3276



76.9414, 0.3264, 0.3497

Rectangle

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



76.9414, 0.2943, 0.3300



76.9414, 0.2905, 0.3139



76.9414, 0.3314, 0.3276



76.9414, 0.3354, 0.3436

Sweetspot

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



76.9446, 0.2943, 0.3300



98.0946, 0.3066, 0.3293



75.6843, 0.3122, 0.3615



20.9220, 0.3055, 0.3294



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.



76.9446, 0.2943, 0.3300



93.3715, 0.2905, 0.3302



69.8949, 0.2934, 0.3145



17.1127, 0.2986, 0.3298



36.1636, 0.2275, 0.3389



2.8424, 0.2271, 0.3374

Inverse Universe

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



64.9377, 0.3345, 0.3280



75.8203, 0.3400, 0.3278



71.3464, 0.3334, 0.3431



15.0622, 0.3288, 0.3283



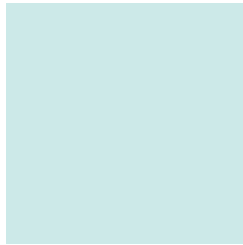
9.8430, 0.6365, 0.3280



0.7758, 0.6268, 0.3226

Previews

White Background



This preview shows how the Yxy color 76.9414, 0.2943, 0.3300 looks on a white background.

Color Contrast Check

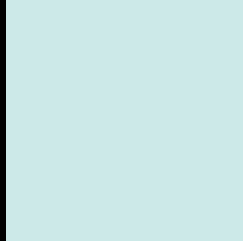
Large Text (above 18pt) WCAG AA × Fail

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 76.9414, 0.2943, 0.3300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

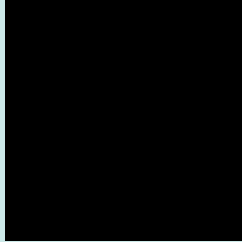
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

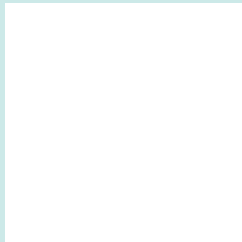
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.9414, 0.2943, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 76.9414, 0.2943, 0.3300.

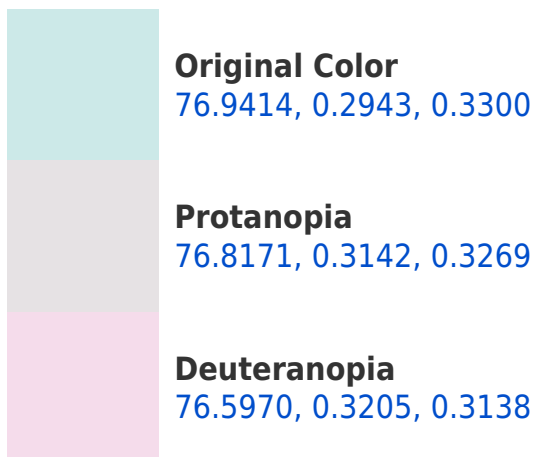


This preview shows how white text looks on a background with the Yxy color 76.9414, 0.2943, 0.3300.

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

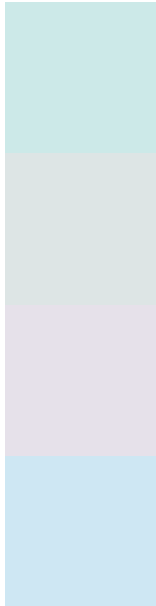




Tritanopia

76.6986, 0.2862, 0.3086

Trichromacy



Original Color

76.9414, 0.2943, 0.3300

Protanomaly

77.0679, 0.3073, 0.3290

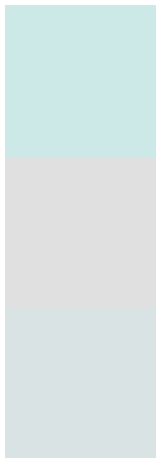
Deuteranomaly

76.6139, 0.3104, 0.3196

Tritanomaly

76.7447, 0.2891, 0.3160

Monochromacy



Original Color

76.9414, 0.2943, 0.3300

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

75.2359, 0.3059, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.9414, 0.2943, 0.3300 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(204, 233, 232)` looks like.

```
.text, #text, p{  
    color:rgb(204, 233, 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(204, 233, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 233, 232) }
```

Border

The CSS property to change the border of an element to Yxy 76.9414, 0.2943, 0.3300 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(204, 233, 232) }
```

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

```
.border{ border-color:rgb(204, 233, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 233, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 233, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 233, 232);  
box-shadow:4px 4px 4px 4px rgb(204, 233,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 76.9414, 0.2943, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 233, 232) }
```

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

```
.background{ background-color: rgb(204,  
233, 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](#).

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