

Converting Colors

$Yxy(76.2975, 0.2908, 0.3307)$

Have a look what the booklet for
Yxy(76.2975, 0.2908, 0.3307)
contains.

Yxy(76.1098, 0.2905, 0.3300)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(76.1098, 0.2905, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	C6E9E8
RGB	198, 233, 232
RGB Percent	78%, 91%, 91%
CMY	0.2235, 0.0863, 0.0901
CMYK	0.15, 0.00, 0.00, 0.09
HSL	178°, 44%, 85%
HSV	178°, 15%, 91%
XYZ	66.9997, 76.1098, 87.5263
YIQ	222.4210, -20.5390, -7.7310

Conversions

Conversions Part 2

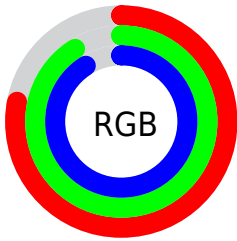
Format	Color
RYB	198, 216, 233
Decimal	13036008
CIELab	89.91, -11.52, -3.36
CIElCh	90, 12.001, 196.246
Yxy	76.1098, 0.2905, 0.3300
Android (android.graphics.Color)	4291226088 (0xFFC6E9E8)
YUV	222.4210, 4.7224, -21.4172
Hunter-Lab	87.2409, -15.5864, 1.5847

Details

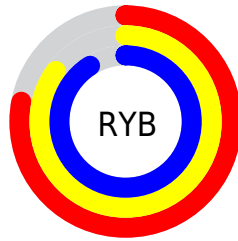
The Yxy color **76.1098, 0.2905, 0.3300** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.8424, 0.3400, 0.3280**, and the grayscale version is **73.3419, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.5082, 0.2859, 0.3304** is the 20% darker color. If you saturate the color by 10%, you get **73.1496, 0.2769, 0.3307**, and if you desaturate by 10%, it is **79.5635, 0.3051, 0.3293**.

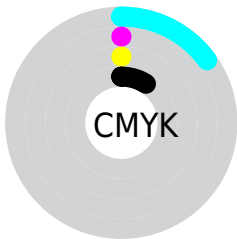
Distribution



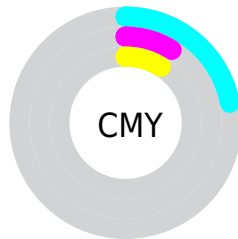
- Red (78%)
- Green (91%)
- Blue (91%)



- Red (78%)
- Yellow (85%)
- Blue (91%)



- Cyan (15%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)




- Cyan (22%)
- Magenta (9%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.1098, 0.2905, 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 76.1098, 0.2905, 0.3300 by changing the saturation by 10% instead.


 76.1098, 0.2905,
0.3300

 76.1098, 0.2905,
0.3300


481.7235, 0.3007,
0.3296

 56.5225, 0.2882,
0.3301

127.8821, 0.2940,
0.3299

 40.6220, 0.2854,
0.3301


160.8359, 0.2954,
0.3298

 28.0239, 0.2819,
0.3302


199.0141, 0.2965,
0.3298

 18.3437, 0.2773,
0.3303

242.8010, 0.2976,
0.3298

 11.1970, 0.2711,
0.3303

292.5810, 0.2985,
0.3297

 6.1995, 0.2623,
0.3303


348.7384, 0.2993,


 2.9668, 0.2488,


0.3297


0.3301

411.6578, 0.3000,
0.3297


 1.1144, 0.2250,
0.3293


 0.0000, 0.0000,
0.0000


 76.1098, 0.2905,
0.3300


 76.1098, 0.2905,
0.3300


 73.1496, 0.2769,
0.3307


 79.5635, 0.3051,
0.3293


 70.6513, 0.2645,
0.3315

 83.5219, 0.3204,
0.3287


 68.5941, 0.2537,
0.3324


 85.4750, 0.3271,
0.3281

 66.9519, 0.2446,
0.3333


 85.5121, 0.3267,
0.3275


 65.6960, 0.2375,
0.3342

 85.5492, 0.3263,
0.3268


 64.7939, 0.2323,
0.3351


 85.5865, 0.3259,
0.3262

 64.2080, 0.2290,
0.3360

 85.6240, 0.3255,
0.3256

 63.8920, 0.2274,
0.3368

 85.6615, 0.3250,
0.3249

 63.7988, 0.2270,
0.3373

 85.6993, 0.3246,
0.3243

Harmonies

Analogous

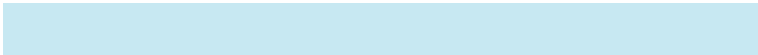
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.1098, 0.3014, 0.3427



76.1098, 0.2905, 0.3300



76.1098, 0.2855, 0.3174

Triad

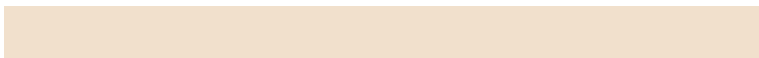
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.1098, 0.2905, 0.3300



76.1098, 0.3094, 0.3077



76.1098, 0.3384, 0.3494

Complementary

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



76.1098, 0.2905, 0.3300



61.8424, 0.3400, 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.



76.1098, 0.3408, 0.3396



76.1098, 0.2905, 0.3300



76.1098, 0.3238, 0.3159

Square

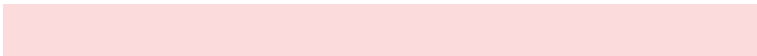
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.1098, 0.2905, 0.3300



76.1098, 0.2962, 0.3049



76.1098, 0.3354, 0.3274



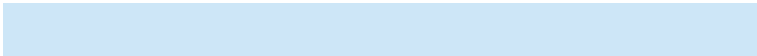
76.1098, 0.3291, 0.3540

Rectangle

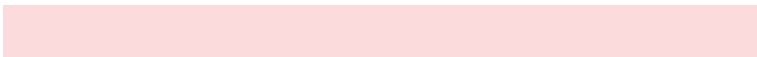
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



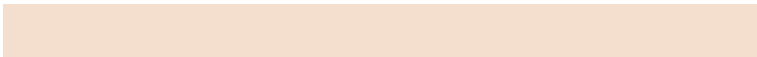
76.1098, 0.2905, 0.3300



76.1098, 0.2861, 0.3108



76.1098, 0.3354, 0.3274



76.1098, 0.3400, 0.3466

Sweetspot

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



76.1130, 0.2905, 0.3300



97.6389, 0.3051, 0.3293



74.5221, 0.3116, 0.3690



20.8304, 0.3040, 0.3294



0.0000, 0.0000, 0.0000



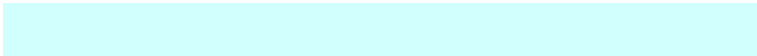
21.4041, 0.3127, 0.3290

Same Dimension

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



76.1130, 0.2905, 0.3300



92.2286, 0.2862, 0.3302



67.3491, 0.2893, 0.3106



17.1143, 0.2985, 0.3296



36.2047, 0.2270, 0.3371



2.8452, 0.2266, 0.3359

Inverse Universe

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



61.8424, 0.3400, 0.3280



71.5815, 0.3469, 0.3278



69.6678, 0.3381, 0.3468



15.0608, 0.3289, 0.3284



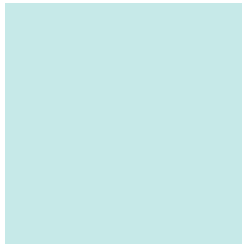
9.8408, 0.6371, 0.3283



0.7751, 0.6290, 0.3239

Previews

White Background



This preview shows how the Yxy color 76.1098, 0.2905, 0.3300 looks on a white background.

Color Contrast Check

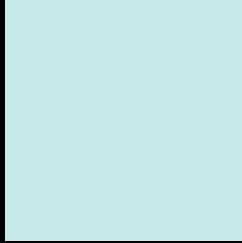
Large Text (above 18pt) WCAG AA × Fail

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 76.1098, 0.2905, 0.3300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

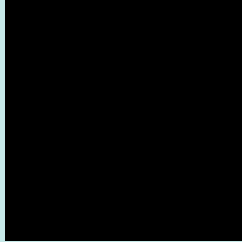
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

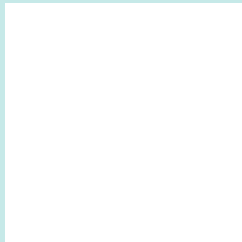
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.1098, 0.2905, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 76.1098, 0.2905, 0.3300.

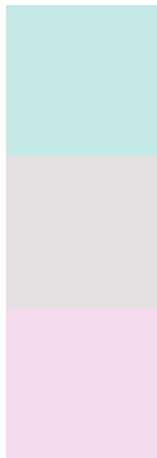


This preview shows how white text looks on a background with the Yxy color 76.1098, 0.2905, 0.3300.

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



Original Color

76.1098, 0.2905, 0.3300

Protanopia

76.0545, 0.3142, 0.3269

Deuteranopia

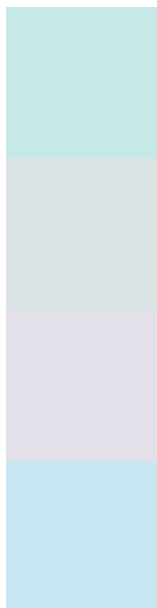
75.7159, 0.3192, 0.3127



Tritanopia

75.8507, 0.2825, 0.3084

Trichromacy



Original Color

76.1098, 0.2905, 0.3300

Protanomaly

76.0494, 0.3053, 0.3279

Deuteranomaly

75.5827, 0.3084, 0.3185

Tritanomaly

75.9023, 0.2854, 0.3159

Monochromacy



Original Color

76.1098, 0.2905, 0.3300

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

74.0298, 0.3038, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.1098, 0.2905, 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(198, 233, 232)` looks like.

```
.text, #text, p{  
    color:rgb(198, 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(198, 233, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 233, 232) }
```

Border

The CSS property to change the border of an element to Yxy 76.1098, 0.2905, 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(198, 233, 232) }
```

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

```
.border{ border-color:rgb(198, 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(198, 233, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 233, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 233, 232);  
box-shadow:4px 4px 4px 4px rgb(198, 233,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 76.1098, 0.2905, 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(198, 233, 232) }
```

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

```
.background{ background-color: rgb(198,  
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](#).

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