

Converting Colors

$Yxy(75.0011, 0.2932, 0.3310)$

Have a look what the booklet for
Yxy(75.0011, 0.2932, 0.3310)
contains.

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Color

Yxy(75.0883, 0.2935, 0.3312)

Conversions

Conversions Part 1

Format	Color
Hex	C8E7E5
RGB	200, 231, 229
RGB Percent	78%, 91%, 90%
CMY	0.2155, 0.0941, 0.1021
CMYK	0.13, 0.00, 0.01, 0.09
HSL	176°, 39%, 85%
HSV	176°, 13%, 91%
XYZ	66.5411, 75.0883, 85.0865
YIQ	221.5030, -17.8340, -7.1940

Conversions

Conversions Part 2

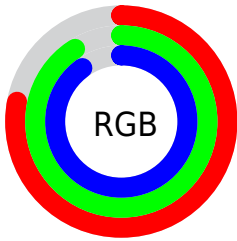
Format	Color
R _Y B	200, 216, 231
Decimal	13166565
CIE Lab	89.43, -10.49, -2.43
CIE LCh	89, 10.767, 193.065
Yxy	75.0883, 0.2935, 0.3312
Android (android.graphics.Color)	4291356645 (0xFFC8E7E5)
YUV	221.5030, 3.6960, -18.8581
Hunter-Lab	86.6535, -14.5737, 2.4396

Details

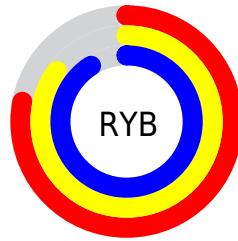
The Yxy color **75.0883, 0.2935, 0.3312** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.5834, 0.3357, 0.3268**, and the grayscale version is **72.6659, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **39.8269, 0.2889, 0.3304** is the 20% darker color. If you saturate the color by 10%, you get **72.0621, 0.2801, 0.3330**, and if you desaturate by 10%, it is **78.6020, 0.3077, 0.3295**.

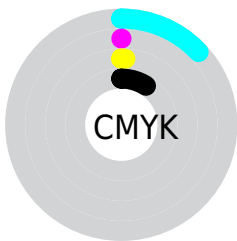
Distribution



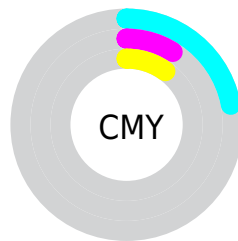
- Red (78%)
- Green (91%)
- Blue (90%)



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



- Cyan (13%)
- Magenta (0%)
- Yellow (1%)
- Black (9%)



- Cyan (22%)
- Magenta (9%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.0883, 0.2935, 0.3312 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 75.0883, 0.2935, 0.3312 by changing the saturation by 10% instead.

■ 75.0883, 0.2935,
0.3312

■ 75.0883, 0.2935,
0.3312

478.2210, 0.3023,
0.3303

■ 55.6852, 0.2915,
0.3314

126.4373, 0.2965,
0.3309

■ 39.9506, 0.2890,
0.3316

159.1521, 0.2977,
0.3308

■ 27.5000, 0.2859,
0.3319

197.0729, 0.2988,
0.3306

■ 17.9491, 0.2819,
0.3323

240.5841, 0.2996,
0.3305

■ 10.9135, 0.2765,
0.3328

290.0701, 0.3004,
0.3305

■ 6.0087, 0.2687,
0.3334

345.9154, 0.3011,

■ 2.8504, 0.2566,

0.3304

408.5042, 0.3018,
0.3303

0.3342

1.0541, 0.2346,
0.3357

0.0000, 0.0000,
0.0000

75.0883, 0.2935,
0.3312

75.0883, 0.2935,
0.3312

72.0621, 0.2801,
0.3330

78.6020, 0.3077,
0.3295

69.4926, 0.2679,
0.3350


82.6141, 0.3225,
0.3280


67.3598, 0.2572,
0.3370


84.3248, 0.3276,
0.3266


65.6386, 0.2481,
0.3392


84.4123, 0.3266,
0.3251


 64.3013, 0.2409,
0.3414

 84.5005, 0.3256,
0.3236


 63.3167, 0.2357,
0.3436

 84.5896, 0.3246,
0.3221

 62.6491, 0.2323,
0.3458

 84.6793, 0.3236,
0.3206

 62.2547, 0.2307,
0.3480

 84.7699, 0.3227,
0.3191

 62.0992, 0.2304,
0.3495

 84.8611, 0.3217,
0.3176

Harmonies

Analogous

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



75.0883, 0.3038, 0.3424



75.0883, 0.2935, 0.3312



75.0883, 0.2883, 0.3197

Triad

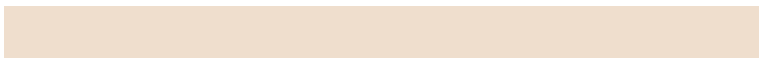
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.0883, 0.2935, 0.3312



75.0883, 0.3084, 0.3092



75.0883, 0.3364, 0.3467

Complementary

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



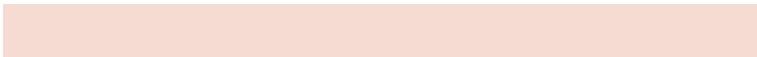
75.0883, 0.2935, 0.3312



62.5834, 0.3357, 0.3268

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.



75.0883, 0.3378, 0.3375



75.0883, 0.2935, 0.3312



75.0883, 0.3214, 0.3162

Square

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



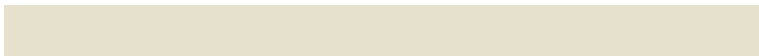
75.0883, 0.2935, 0.3312



75.0883, 0.2968, 0.3073



75.0883, 0.3322, 0.3264



75.0883, 0.3286, 0.3513

Rectangle

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



75.0883, 0.2935, 0.3312



75.0883, 0.2884, 0.3134



75.0883, 0.3322, 0.3264



75.0883, 0.3376, 0.3440

Sweetspot

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



75.0914, 0.2935, 0.3312



98.0734, 0.3068, 0.3296



73.8945, 0.3125, 0.3642



20.9166, 0.3057, 0.3298



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.



75.0914, 0.2935, 0.3312



92.8945, 0.2898, 0.3317



67.9812, 0.2919, 0.3139



16.3192, 0.2990, 0.3305



34.8211, 0.2303, 0.3491



2.5781, 0.2294, 0.3459

Inverse Universe

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



62.5834, 0.3357, 0.3268



74.4582, 0.3412, 0.3264



68.9787, 0.3353, 0.3437



14.3833, 0.3282, 0.3275



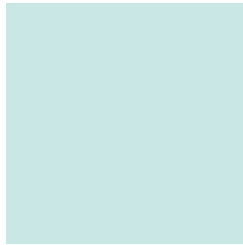
9.5502, 0.6328, 0.3260



0.7112, 0.6134, 0.3153

Previews

White Background



This preview shows how the Yxy color 75.0883, 0.2935, 0.3312 looks on a white background.

Color Contrast Check

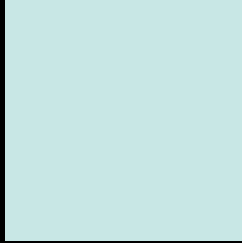
Large Text (above 18pt) WCAG AA × Fail

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 75.0883, 0.2935, 0.3312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

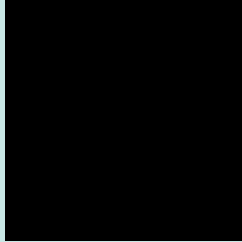
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

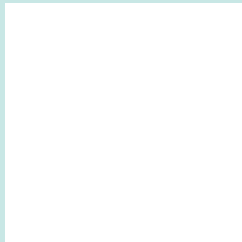
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.0883, 0.2935, 0.3312

Background



This preview shows how black text looks on a background with the Yxy color 75.0883, 0.2935, 0.3312.

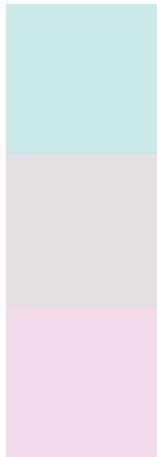


This preview shows how white text looks on a background with the Yxy color 75.0883, 0.2935, 0.3312.

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**

75.0883, 0.2935, 0.3312

Protanopia

74.6512, 0.3156, 0.3279

Deuteranopia

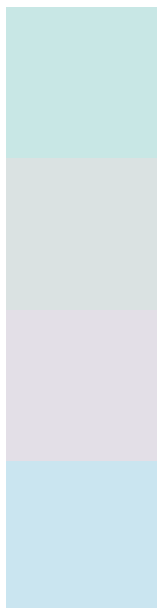
75.0237, 0.3213, 0.3147



Tritanopia

74.8371, 0.2853, 0.3094

Trichromacy



Original Color

75.0883, 0.2935, 0.3312

Protanomaly

74.7891, 0.3072, 0.3290

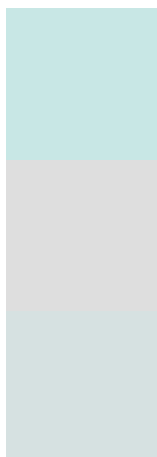
Deuteranomaly

74.8758, 0.3103, 0.3205

Tritanomaly

74.8865, 0.2882, 0.3169

Monochromacy



Original Color

75.0883, 0.2935, 0.3312

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

73.5828, 0.3051, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.0883, 0.2935, 0.3312 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(200, 231, 229)` looks like.

```
.text, #text, p{  
    color:rgb(200, 231, 229)  
}
```

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(200, 231, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 231, 229) }
```

Border

The CSS property to change the border of an element to Yxy 75.0883, 0.2935, 0.3312 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(200, 231, 229) }
```

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

```
.border{ border-color:rgb(200, 231, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 231, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(200, 231, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(200, 231, 229); box-shadow:4px 4px 4px 4px rgb(200, 231, 229) }
```


Background

The CSS property to change the background color of an element to Yxy 75.0883, 0.2935, 0.3312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 231, 229) }
```

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

```
.background{ background-color: rgb(200,  
231, 229) }
```

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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