

Converting Colors

$Yxy(77.8736, 0.2993, 0.3382)$

Have a look what the booklet for
Yxy(77.8736, 0.2993, 0.3382)
contains.

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Color

Yxy(78.0295, 0.2991, 0.3388)

Conversions

Conversions Part 1

Format	Color
Hex	CEEBE2
RGB	206, 235, 226
RGB Percent	81%, 92%, 89%
CMY	0.1923, 0.0784, 0.1136
CMYK	0.12, 0.00, 0.04, 0.08
HSL	161°, 42%, 86%
HSV	161°, 12%, 92%
XYZ	68.8861, 78.0295, 83.3958
YIQ	225.3030, -14.3950, -8.9470

Conversions

Conversions Part 2

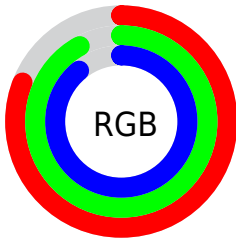
Format	Color
RYB	206, 223, 235
Decimal	13560802
CIELab	90.79, -11.19, 1.14
CIElCh	91, 11.248, 174.195
Yxy	78.0295, 0.2991, 0.3388
Android (android.graphics.Color)	4291750882 (0xFFCEEBE2)
YUV	225.3030, 0.3436, -16.9287
Hunter-Lab	88.3343, -15.3846, 5.8588

Details

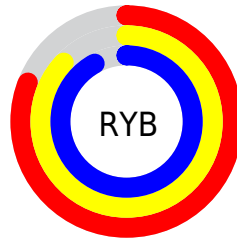
The Yxy color **78.0295, 0.2991, 0.3388** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.6993, 0.3285, 0.3194**, and the grayscale version is **75.5294, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.8559, 0.2962, 0.3404** is the 20% darker color. If you saturate the color by 10%, you get **74.5263, 0.2886, 0.3477**, and if you desaturate by 10%, it is **82.0590, 0.3101, 0.3308**.

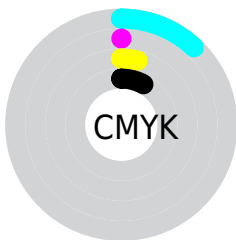
Distribution



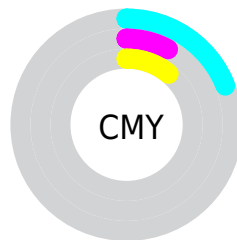
- Red (81%)
- Green (92%)
- Blue (89%)



- Red (81%)
- Yellow (87%)
- Blue (92%)



- Cyan (12%)
- Magenta (0%)
- Yellow (4%)
- Black (8%)





- Cyan (19%)
- Magenta (8%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.0295, 0.2991, 0.3388 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 78.0295, 0.2991, 0.3388 by changing the saturation by 10% instead.


 78.0295, 0.2991,
0.3388

 78.0295, 0.2991,
0.3388


488.2670, 0.3053,
0.3343

 58.0982, 0.2977,
0.3398

130.5917, 0.3013,
0.3372

 41.8876, 0.2960,
0.3411

163.9914, 0.3021,
0.3366

 29.0133, 0.2938,
0.3427


202.6494, 0.3028,
0.3361

 19.0909, 0.2909,
0.3447

246.9500, 0.3035,
0.3357

 11.7360, 0.2871,
0.3475

297.2777, 0.3040,
0.3353

 6.5642, 0.2816,
0.3516

354.0168, 0.3045,

 3.1911, 0.2731,

0.3349

0.3579

417.5518, 0.3049,
0.3346

■ 1.2323, 0.2583,
0.3689

■ 0.0878, 0.0000,
0.8451

■ 78.0295, 0.2991,
0.3388

■ 78.0295, 0.2991,
0.3388

■ 74.5263, 0.2886,
0.3477

■ 82.0590, 0.3101,
0.3308

■ 71.5173, 0.2789,
0.3573

■ 86.6261, 0.3213,
0.3236

■ 68.9814, 0.2703,
0.3678

■ 87.4502, 0.3181,
0.3166

■ 66.8926, 0.2631,
0.3788

■ 87.9023, 0.3136,
0.3097

■ 65.2221, 0.2576,
0.3903

■ 63.9376, 0.2539,
0.4022

■ 63.0021, 0.2524,
0.4141

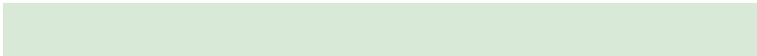
■ 62.3708, 0.2528,
0.4260

■ 62.0398, 0.2541,
0.4349

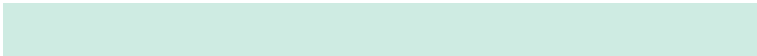
Harmonies

Analogous

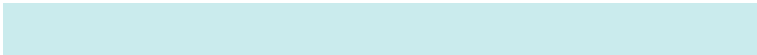
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.0295, 0.3117, 0.3483



78.0295, 0.2991, 0.3388



78.0295, 0.2902, 0.3267

Triad

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



78.0295, 0.2991, 0.3388



78.0295, 0.3004, 0.3067



78.0295, 0.3389, 0.3417

Complementary

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



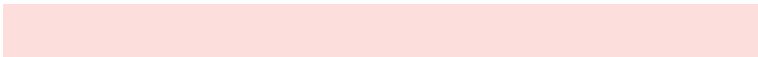
78.0295, 0.2991, 0.3388



66.6993, 0.3285, 0.3194

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.



78.0295, 0.3357, 0.3306



78.0295, 0.2991, 0.3388



78.0295, 0.3133, 0.3108

Square

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



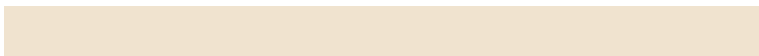
78.0295, 0.2991, 0.3388



78.0295, 0.2909, 0.3083



78.0295, 0.3263, 0.3194



78.0295, 0.3348, 0.3497

Rectangle

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



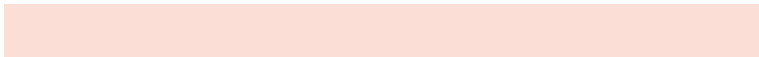
78.0295, 0.2991, 0.3388



78.0295, 0.2875, 0.3189



78.0295, 0.3263, 0.3194



78.0295, 0.3386, 0.3382

Sweetspot

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



78.0328, 0.2991, 0.3388



97.9148, 0.3082, 0.3320



78.3502, 0.3174, 0.3608



20.8764, 0.3074, 0.3326



0.0000, 0.0000, 0.0000



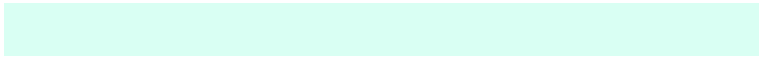
21.4041, 0.3127, 0.3290

Same Dimension

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



78.0328, 0.2991, 0.3388



92.7140, 0.2962, 0.3411



75.5366, 0.2937, 0.3231



17.0379, 0.3022, 0.3364



34.5487, 0.2536, 0.4330



2.7300, 0.2491, 0.4168

Inverse Universe

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



66.6993, 0.3285, 0.3194



76.3913, 0.3325, 0.3172



68.8560, 0.3344, 0.3348



15.1309, 0.3244, 0.3217



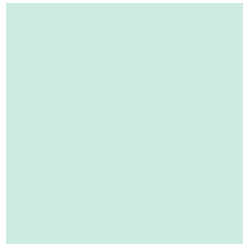
10.1159, 0.5725, 0.2927



0.8110, 0.5332, 0.2711

Previews

White Background



This preview shows how the Yxy color 78.0295, 0.2991, 0.3388 looks on a white background.

Color Contrast Check

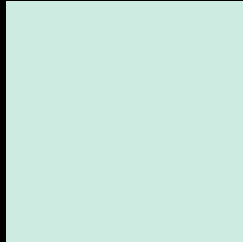
Large Text (above 18pt) WCAG AA × Fail

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 78.0295, 0.2991, 0.3388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

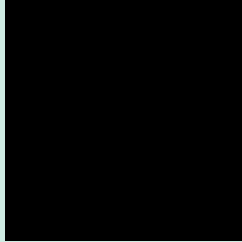
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

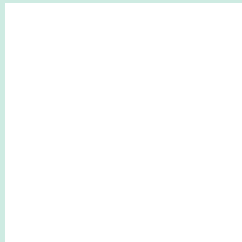
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.0295, 0.2991, 0.3388

Background



This preview shows how black text looks on a background with the Yxy color 78.0295, 0.2991, 0.3388.

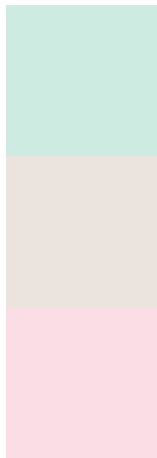


This preview shows how white text looks on a background with the Yxy color 78.0295, 0.2991, 0.3388.

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

78.0295, 0.2991, 0.3388

Protanopia

77.7045, 0.3208, 0.3343

Deuteranopia

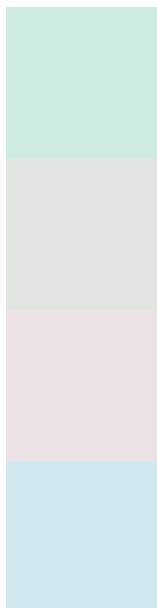
77.6940, 0.3281, 0.3210



Tritanopia

77.7556, 0.2876, 0.3088

Trichromacy



Original Color

78.0295, 0.2991, 0.3388

Protanomaly

77.7686, 0.3130, 0.3365

Deuteranomaly

77.4866, 0.3170, 0.3269

Tritanomaly

77.6194, 0.2922, 0.3193

Monochromacy



Original Color

78.0295, 0.2991, 0.3388

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

76.3803, 0.3077, 0.3333

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.0295, 0.2991, 0.3388 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(206, 235, 226)` looks like.

```
.text, #text, p{  
    color:rgb(206, 235, 226)  
}
```

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(206, 235, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 235, 226) }
```

Border

The CSS property to change the border of an element to Yxy 78.0295, 0.2991, 0.3388 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(206, 235, 226) }
```

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

```
.border{ border-color:rgb(206, 235, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 235, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 235, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 235, 226);  
box-shadow:4px 4px 4px 4px rgb(206, 235,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 78.0295, 0.2991, 0.3388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 235, 226) }
```

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

```
.background{ background-color: rgb(206,  
235, 226) }
```

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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