

Converting Colors

$Yxy(78.7585, 0.2903, 0.3325)$

Have a look what the booklet for
Yxy(78.7585, 0.2903, 0.3325)
contains.

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Color

Yxy(78.6510, 0.2901, 0.3322)

Conversions

Conversions Part 1

Format	Color
Hex	C7EDEA
RGB	199, 237, 234
RGB Percent	78%, 93%, 92%
CMY	0.2198, 0.0705, 0.0822
CMYK	0.16, 0.00, 0.01, 0.07
HSL	175°, 51%, 85%
HSV	175°, 16%, 93%
XYZ	68.6835, 78.6510, 89.4235
YIQ	225.2960, -21.6850, -8.9890

Conversions

Conversions Part 2

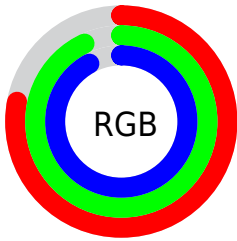
Format	Color
RYB	199, 219, 237
Decimal	13102570
CIELab	91.08, -12.85, -2.68
CIELCh	91, 13.127, 191.786
Yxy	78.6510, 0.2901, 0.3322
Android (android.graphics.Color)	4291292650 (0xFFC7EDEA)
YUV	225.2960, 4.2911, -23.0616
Hunter-Lab	88.6854, -16.9579, 2.2963

Details

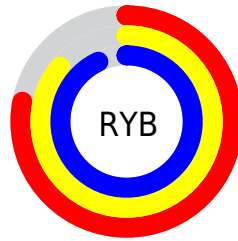
The Yxy color **78.6510, 0.2901, 0.3322** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.0967, 0.3408, 0.3259**, and the grayscale version is **75.4973, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.2818, 0.2856, 0.3332** is the 20% darker color. If you saturate the color by 10%, you get **75.5553, 0.2771, 0.3344**, and if you desaturate by 10%, it is **82.2592, 0.3040, 0.3302**.

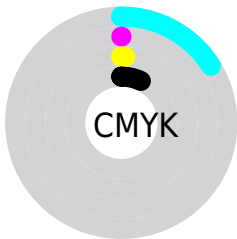
Distribution



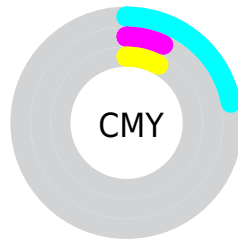
- Red (78%)
- Green (93%)
- Blue (92%)



- Red (78%)
- Yellow (86%)
- Blue (93%)



- Cyan (16%)
- Magenta (0%)
- Yellow (1%)
- Black (7%)



- Cyan (22%)
- Magenta (7%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.6510, 0.2901, 0.3322 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 78.6510, 0.2901, 0.3322 by changing the saturation by 10% instead.

■ 78.6510, 0.2901,
0.3322

■ 78.6510, 0.2901,
0.3322

490.3749, 0.3004,
0.3308

■ 58.6089, 0.2878,
0.3325

131.4674, 0.2936,
0.3317

■ 42.2984, 0.2850,
0.3328

165.0105, 0.2950,
0.3316

■ 29.3350, 0.2814,
0.3333

203.8228, 0.2962,
0.3314

■ 19.3344, 0.2768,
0.3338

248.2886, 0.2973,
0.3313

■ 11.9121, 0.2707,
0.3345

298.7923, 0.2982,
0.3311

■ 6.6839, 0.2620,
0.3354


355.7183, 0.2990,


■ 3.2652, 0.2488,


0.3310


419.4511, 0.2997,
0.3309


0.3366

 1.2717, 0.2265,
0.3382


 0.1191, 0.0000,
0.2730


 78.6510, 0.2901,
0.3322


 78.6510, 0.2901,
0.3322


 75.5553, 0.2771,
0.3344


 82.2592, 0.3040,
0.3302


 72.9390, 0.2654,
0.3368

 86.3920, 0.3185,
0.3283


 70.7802, 0.2552,
0.3393


 88.1032, 0.3231,
0.3265


 69.0515, 0.2467,
0.3419

 88.2139, 0.3220,
0.3247


 67.7227, 0.2401,
0.3446


 88.3258, 0.3208,
0.3229


 66.7592, 0.2354,
0.3473

 88.4389, 0.3196,
0.3211


 66.1212, 0.2327,
0.3499

 88.5531, 0.3185,
0.3193

 65.7588, 0.2317,
0.3526

 88.6684, 0.3173,
0.3175

 65.6599, 0.2316,
0.3536

 88.7849, 0.3161,
0.3157

Harmonies

Analogous

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



78.6510, 0.3026, 0.3456



78.6510, 0.2901, 0.3322



78.6510, 0.2836, 0.3182

Triad

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



78.6510, 0.2901, 0.3322



78.6510, 0.3069, 0.3052



78.6510, 0.3414, 0.3498

Complementary

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



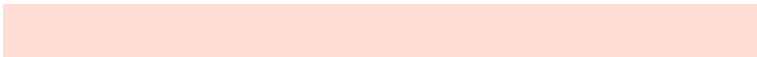
78.6510, 0.2901, 0.3322



63.0967, 0.3408, 0.3259

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.



78.6510, 0.3427, 0.3386



78.6510, 0.2901, 0.3322



78.6510, 0.3225, 0.3132

Square

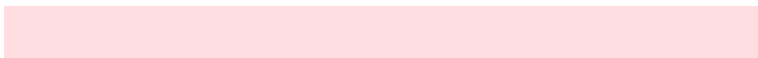
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.6510, 0.2901, 0.3322



78.6510, 0.2931, 0.3031



78.6510, 0.3357, 0.3253



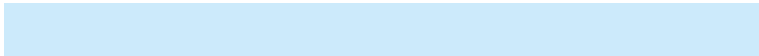
78.6510, 0.3323, 0.3558

Rectangle

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



78.6510, 0.2901, 0.3322



78.6510, 0.2835, 0.3106



78.6510, 0.3357, 0.3253



78.6510, 0.3428, 0.3465

Sweetspot

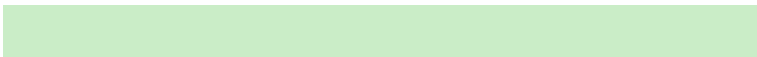
The Sweet Spot groups the original color and five complimentary colors.



78.6543, 0.2901, 0.3322



97.5973, 0.3055, 0.3300



77.2720, 0.3128, 0.3719



20.8203, 0.3045, 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.



78.6543, 0.2901, 0.3322



91.6984, 0.2861, 0.3329



70.0477, 0.2877, 0.3113



17.1003, 0.2992, 0.3308



35.8527, 0.2314, 0.3532



2.8214, 0.2304, 0.3495

Inverse Universe

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



63.0967, 0.3408, 0.3259



70.3384, 0.3473, 0.3252



70.6351, 0.3405, 0.3461



15.0732, 0.3281, 0.3272



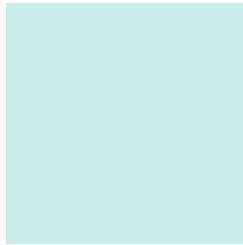
9.8620, 0.6314, 0.3252



0.7811, 0.6099, 0.3134

Previews

White Background



This preview shows how the Yxy color 78.6510, 0.2901, 0.3322 looks on a white background.

Color Contrast Check

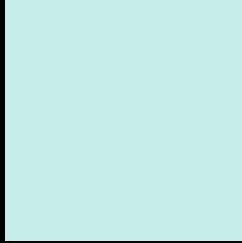
Large Text (above 18pt) WCAG AA × Fail

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 78.6510, 0.2901, 0.3322 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

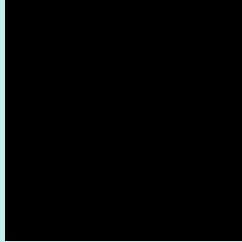
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

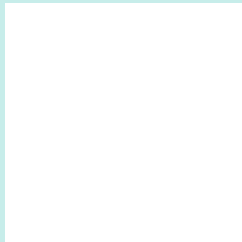
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.6510, 0.2901, 0.3322

Background



This preview shows how black text looks on a background with the Yxy color 78.6510, 0.2901, 0.3322.

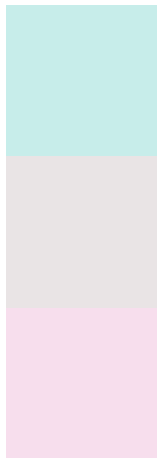


This preview shows how white text looks on a background with the Yxy color 78.6510, 0.2901, 0.3322.

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

78.6510, 0.2901, 0.3322

Protanopia

78.4676, 0.3155, 0.3280

Deuteranopia

78.1311, 0.3205, 0.3139



Tritanopia

78.4940, 0.2812, 0.3087

Trichromacy



Original Color

78.6510, 0.2901, 0.3322

Protanomaly

78.2935, 0.3060, 0.3290

Deuteranomaly

77.8173, 0.3090, 0.3196

Tritanomaly

78.4880, 0.2845, 0.3171

Monochromacy



Original Color

78.6510, 0.2901, 0.3322

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

76.2390, 0.3045, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.6510, 0.2901, 0.3322 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(199, 237, 234)` looks like.

```
.text, #text, p{  
    color:rgb(199, 237, 234)  
}
```

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(199, 237, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 237, 234) }
```

Border

The CSS property to change the border of an element to Yxy 78.6510, 0.2901, 0.3322 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(199, 237, 234) }
```

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

```
.border{ border-color:rgb(199, 237, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 237, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 237, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 237, 234);  
box-shadow:4px 4px 4px 4px rgb(199, 237,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 78.6510, 0.2901, 0.3322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 237, 234) }
```

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

```
.background{ background-color: rgb(199,  
237, 234) }
```

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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