

Converting Colors

$Yxy(78.4867, 0.2876, 0.3250)$

Have a look what the booklet for
Yxy(78.4867, 0.2876, 0.3250)
contains.

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Color

Yxy(78.5615, 0.2873, 0.3246)

Conversions

Conversions Part 1

Format	Color
Hex	C8ECF0
RGB	200, 236, 240
RGB Percent	78%, 93%, 94%
CMY	0.2158, 0.0744, 0.0589
CMYK	0.17, 0.02, 0.00, 0.06
HSL	186°, 57%, 86%
HSV	186°, 17%, 94%
XYZ	69.5339, 78.5615, 93.9301
YIQ	225.6920, -22.7400, -6.3880

Conversions

Conversions Part 2

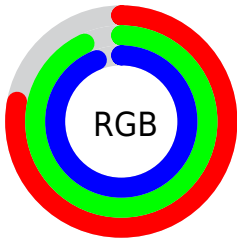
Format	Color
R _Y B	200, 219, 240
Decimal	13167856
CIE Lab	91.04, -10.83, -5.85
CIE LCh	91, 12.308, 208.359
Yxy	78.5615, 0.2873, 0.3246
Android (android.graphics.Color)	4291357936 (0xFFC8ECF0)
YUV	225.6920, 7.0538, -22.5319
Hunter-Lab	88.6349, -15.0782, -0.7876

Details

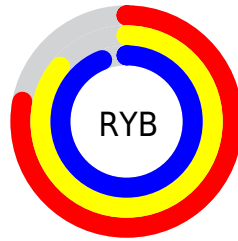
The Yxy color **78.5615, 0.2873, 0.3246** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.8491, 0.3439, 0.3334**, and the grayscale version is **75.7766, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.1230, 0.2812, 0.3232** is the 20% darker color. If you saturate the color by 10%, you get **74.1523, 0.2730, 0.3217**, and if you desaturate by 10%, it is **83.5141, 0.3024, 0.3273**.

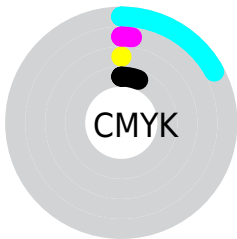
Distribution



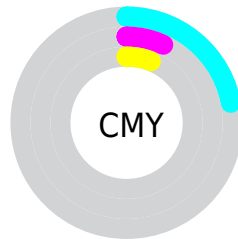
- Red (78%)
- Green (93%)
- Blue (94%)



- Red (78%)
- Yellow (86%)
- Blue (94%)



- Cyan (17%)
- Magenta (2%)
- Yellow (0%)
- Black (6%)



- Cyan (22%)
- Magenta (7%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.5615, 0.2873, 0.3246 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 78.5615, 0.2873, 0.3246 by changing the saturation by 10% instead.

■ 78.5615, 0.2873,
0.3246

■ 78.5615, 0.2873,
0.3246

490.0717, 0.2988,
0.3267

■ 58.5353, 0.2847,
0.3241

131.3414, 0.2913,
0.3254

■ 42.2392, 0.2816,
0.3235

164.8639, 0.2928,
0.3256

■ 29.2886, 0.2776,
0.3226

203.6539, 0.2941,
0.3259

■ 19.2993, 0.2725,
0.3215

248.0960, 0.2953,
0.3261

■ 11.8867, 0.2657,
0.3200

298.5744, 0.2963,
0.3263

■ 6.6666, 0.2561,
0.3177

355.4735, 0.2973,

■ 3.2545, 0.2416,

0.3265

0.3139

419.1778, 0.2981,
0.3266

■ 1.2660, 0.2175,
0.3066

■ 0.1146, 0.0000,
0.1769

■ 78.5615, 0.2873,
0.3246

■ 78.5615, 0.2873,
0.3246

■ 74.1523, 0.2730,
0.3217

■ 83.5141, 0.3024,
0.3273

■ 70.2527, 0.2599,
0.3186

■ 89.0230, 0.3179,
0.3298

■ 66.8396, 0.2481,
0.3153

■ 91.7530, 0.3224,
0.3321

■ 63.8847, 0.2380,
0.3119

■ 93.1908, 0.3222,
0.3344

■ 61.3563, 0.2298,
0.3084

■ 94.6472, 0.3220,
0.3367

■ 59.2187, 0.2235,
0.3049

■ 96.1223, 0.3218,
0.3390

■ 57.4299, 0.2191,
0.3015

■ 97.6161, 0.3216,
0.3413

■ 55.9371, 0.2165,
0.2981

■ 99.0708, 0.3214,
0.3434

■ 55.4787, 0.2158,
0.2970

Harmonies

Analogous

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



78.5615, 0.2962, 0.3379



78.5615, 0.2873, 0.3246



78.5615, 0.2851, 0.3129

Triad

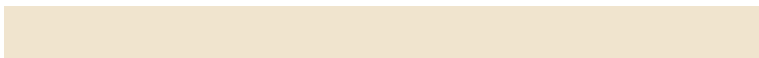
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.5615, 0.2873, 0.3246



78.5615, 0.3154, 0.3102



78.5615, 0.3357, 0.3524

Complementary

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



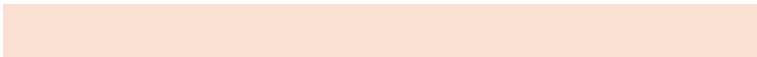
78.5615, 0.2873, 0.3246



65.8491, 0.3439, 0.3334

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.



78.5615, 0.3412, 0.3443



78.5615, 0.2873, 0.3246



78.5615, 0.3293, 0.3201

Square

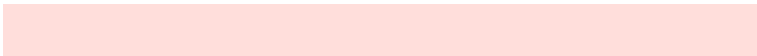
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.5615, 0.2873, 0.3246



78.5615, 0.3010, 0.3050



78.5615, 0.3388, 0.3325



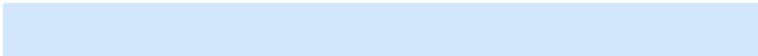
78.5615, 0.3241, 0.3542

Rectangle

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



78.5615, 0.2873, 0.3246



78.5615, 0.2876, 0.3075



78.5615, 0.3388, 0.3325



78.5615, 0.3383, 0.3503

Sweetspot

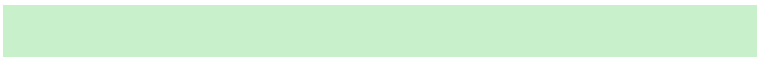
The Sweet Spot groups the original color and five complimentary colors.



78.5647, 0.2873, 0.3246



96.8559, 0.3049, 0.3277



78.9160, 0.3086, 0.3702



20.6394, 0.3038, 0.3276



0.0000, 0.0000, 0.0000



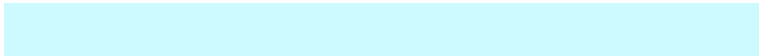
21.4041, 0.3127, 0.3290

Same Dimension

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



78.5647, 0.2873, 0.3246



88.3869, 0.2824, 0.3236



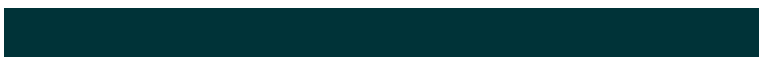
68.0060, 0.2863, 0.3030



17.6448, 0.2981, 0.3266



30.4838, 0.2160, 0.2975



2.6130, 0.2172, 0.3020

Inverse Universe

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



65.8719, 0.3175, 0.2916



71.3437, 0.3186, 0.2838



75.6352, 0.3406, 0.3537



16.0028, 0.3153, 0.3080



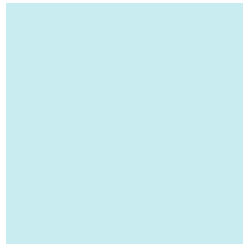
12.8707, 0.3476, 0.1689



1.0785, 0.3437, 0.1667

Previews

White Background



This preview shows how the Yxy color 78.5615, 0.2873, 0.3246 looks on a white background.

Color Contrast Check

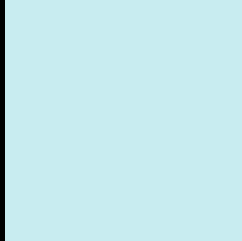
Large Text (above 18pt) WCAG AA × Fail

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 78.5615, 0.2873, 0.3246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

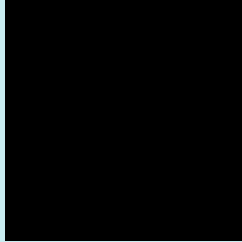
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.5615, 0.2873, 0.3246

Background



This preview shows how black text looks on a background with the Yxy color 78.5615, 0.2873, 0.3246.

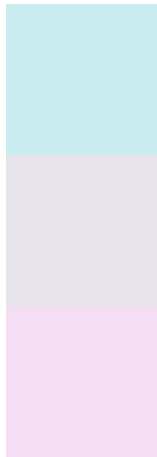


This preview shows how white text looks on a background with the Yxy color 78.5615, 0.2873, 0.3246.

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

78.5615, 0.2873, 0.3246

Protanopia

78.4739, 0.3103, 0.3217

Deuteranopia

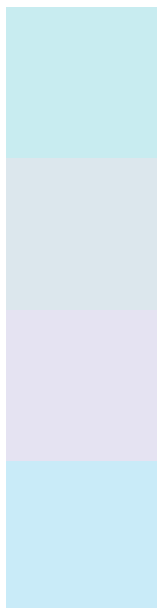
78.1261, 0.3151, 0.3079



Tritanopia

78.4940, 0.2812, 0.3087

Trichromacy



Original Color

78.5615, 0.2873, 0.3246

Protanomaly

78.4819, 0.3016, 0.3226

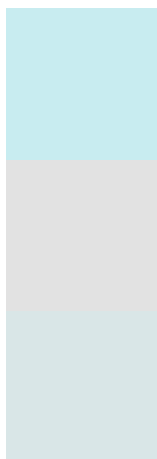
Deuteranomaly

78.0070, 0.3046, 0.3134

Tritanomaly

78.6115, 0.2834, 0.3149

Monochromacy



Original Color

78.5615, 0.2873, 0.3246

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

77.1149, 0.3033, 0.3279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.5615, 0.2873, 0.3246 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, 236, 240)` looks like.

```
.text, #text, p{  
    color:rgb(200, 236, 240)  
}
```

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, 236, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 236, 240) }
```

Border

The CSS property to change the border of an element to Yxy 78.5615, 0.2873, 0.3246 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, 236, 240) }
```

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

```
.border{ border-color:rgb(200, 236, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 236, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 236, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 236, 240);  
box-shadow:4px 4px 4px 4px rgb(200, 236,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 78.5615, 0.2873, 0.3246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 236, 240) }
```

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

```
.background{ background-color: rgb(200,  
236, 240) }
```

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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