

Converting Colors

$Yxy(78.4275, 0.2867, 0.3246)$

Have a look what the booklet for
Yxy(78.4275, 0.2867, 0.3246)
contains.

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Color

Yxy(78.4243, 0.2867, 0.3246)

Conversions

Conversions Part 1

Format	Color
Hex	C7ECF0
RGB	199, 236, 240
RGB Percent	78%, 93%, 94%
CMY	0.2197, 0.0744, 0.0589
CMYK	0.17, 0.02, 0.00, 0.06
HSL	186°, 58%, 86%
HSV	186°, 17%, 94%
XYZ	69.2676, 78.4243, 93.9110
YIQ	225.3930, -23.3360, -6.6000

Conversions

Conversions Part 2

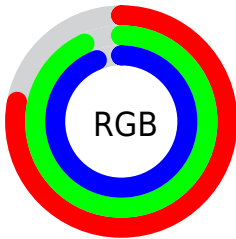
Format	Color
R _Y B	199, 218, 240
Decimal	13102320
CIE Lab	90.97, -11.14, -5.94
CIE LCh	91, 12.624, 208.075
Yxy	78.4243, 0.2867, 0.3246
Android (android.graphics.Color)	4291292400 (0xFFC7ECF0)
YUV	225.3930, 7.2013, -23.1467
Hunter-Lab	88.5575, -15.3572, -0.8840

Details

The Yxy color **78.4243, 0.2867, 0.3246** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.3254, 0.3448, 0.3334**, and the grayscale version is **75.5493, 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 **74.0717, 0.2725, 0.3217**, and if you desaturate by 10%, it is **83.3183, 0.3017, 0.3273**.

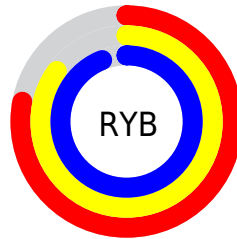
Distribution



Red (78%)

Green (93%)

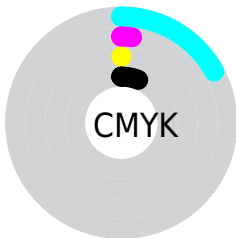
Blue (94%)



Red (78%)

Yellow (85%)

Blue (94%)

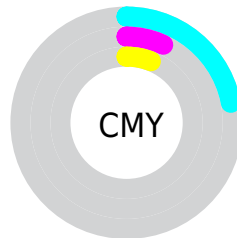


Cyan (17%)

Magenta (2%)

Yellow (0%)

Black (6%)



Cyan (22%)

Magenta (7%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.4243, 0.2867, 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 78.4243, 0.2867, 0.3246 by changing the saturation by 10% instead.

■ 78.4243, 0.2867,
0.3246

■ 78.4243, 0.2867,
0.3246

489.6066, 0.2985,
0.3267

■ 58.4226, 0.2841,
0.3241

131.1481, 0.2907,
0.3254

■ 42.1485, 0.2808,
0.3234

164.6389, 0.2923,
0.3257

■ 29.2176, 0.2768,
0.3226

203.3950, 0.2937,
0.3259

■ 19.2455, 0.2716,
0.3215

247.8006, 0.2949,
0.3261

■ 11.8478, 0.2646,
0.3199

298.2402, 0.2960,
0.3263

■ 6.6401, 0.2547,
0.3176

355.0981, 0.2969,

■ 3.2381, 0.2399,

0.3265

0.3137

418.7588, 0.2977,
0.3266

■ 1.2573, 0.2152,
0.3063

■ 0.1077, 0.0000,
0.1682

■ 78.4243, 0.2867,
0.3246

■ 78.4243, 0.2867,
0.3246

■ 74.0717, 0.2725,
0.3217

■ 83.3183, 0.3017,
0.3273

■ 70.2267, 0.2594,
0.3187

■ 88.7668, 0.3173,
0.3297

■ 66.8661, 0.2477,
0.3155

■ 91.6403, 0.3224,
0.3319

■ 63.9615, 0.2378,
0.3122

■ 93.0388, 0.3222,
0.3342

61.4810, 0.2296,
0.3088

94.4549, 0.3220,
0.3364

59.3888, 0.2234,
0.3054

95.8887, 0.3219,
0.3386

57.6426, 0.2192,
0.3021

97.3403, 0.3217,
0.3409

56.1880, 0.2166,
0.2988

98.8097, 0.3215,
0.3431

55.7947, 0.2161,
0.2978

99.0703, 0.3215,
0.3434

Harmonies

Analogous

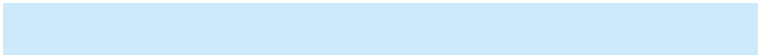
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.4243, 0.2959, 0.3383



78.4243, 0.2867, 0.3246



78.4243, 0.2843, 0.3125

Triad

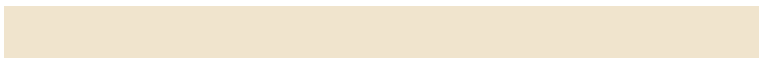
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.4243, 0.2867, 0.3246



78.4243, 0.3153, 0.3096



78.4243, 0.3364, 0.3529

Complementary

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



78.4243, 0.2867, 0.3246



65.3254, 0.3448, 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.



78.4243, 0.3419, 0.3446



78.4243, 0.2867, 0.3246



78.4243, 0.3296, 0.3198

Square

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



78.4243, 0.2867, 0.3246



78.4243, 0.3006, 0.3043



78.4243, 0.3394, 0.3324



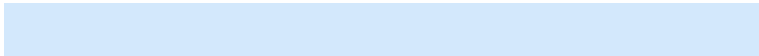
78.4243, 0.3245, 0.3549

Rectangle

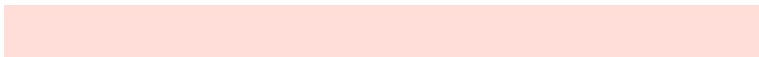
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



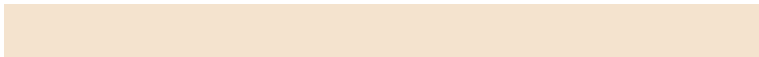
78.4243, 0.2867, 0.3246



78.4243, 0.2869, 0.3070



78.4243, 0.3394, 0.3324



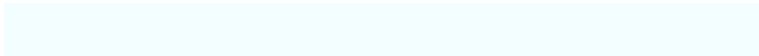
78.4243, 0.3391, 0.3507

Sweetspot

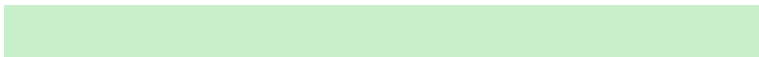
The Sweet Spot groups the original color and five complimentary colors.



78.4275, 0.2867, 0.3246



96.8769, 0.3049, 0.3278



78.7307, 0.3085, 0.3714



20.6445, 0.3038, 0.3276



0.0000, 0.0000, 0.0000



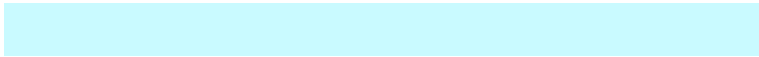
21.4041, 0.3127, 0.3290

Same Dimension

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



78.4275, 0.2867, 0.3246



87.9586, 0.2809, 0.3235



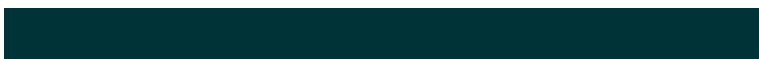
67.5686, 0.2856, 0.3023



17.6522, 0.2981, 0.3266



30.6567, 0.2162, 0.2984



2.6256, 0.2174, 0.3027

Inverse Universe

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



65.4107, 0.3175, 0.2906



70.1342, 0.3188, 0.2814



75.3627, 0.3413, 0.3543



16.0035, 0.3153, 0.3079



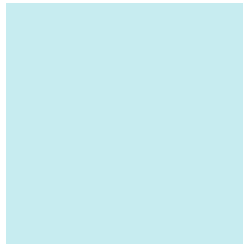
12.8882, 0.3469, 0.1684



1.0798, 0.3430, 0.1663

Previews

White Background



This preview shows how the Yxy color 78.4243, 0.2867, 0.3246 looks on a white background.

Color Contrast Check

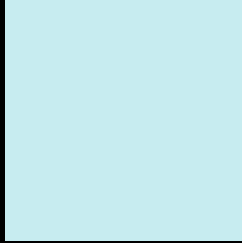
Large Text (above 18pt) WCAG AA × Fail

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 78.4243, 0.2867, 0.3246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

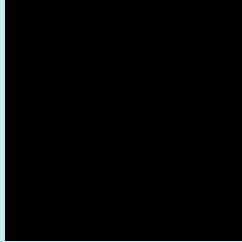
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.4243, 0.2867, 0.3246

Background



This preview shows how black text looks on a background with the Yxy color 78.4243, 0.2867, 0.3246.

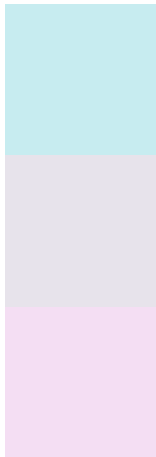


This preview shows how white text looks on a background with the Yxy color 78.4243, 0.2867, 0.3246.

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

78.4243, 0.2867, 0.3246

Protanopia

77.9253, 0.3104, 0.3207

Deuteranopia

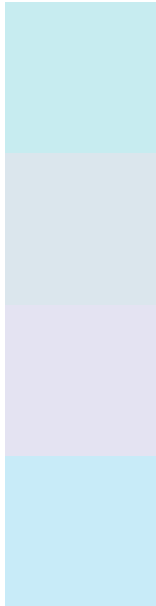
77.9467, 0.3144, 0.3078



Tritanopia

78.3550, 0.2806, 0.3086

Trichromacy



Original Color

78.4243, 0.2867, 0.3246

Protanomaly

77.7681, 0.3010, 0.3215

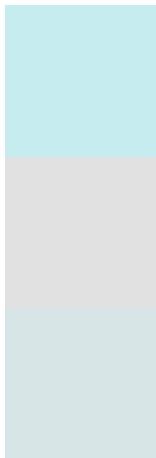
Deuteranomaly

77.8430, 0.3039, 0.3134

Tritanomaly

78.4733, 0.2828, 0.3149

Monochromacy



Original Color

78.4243, 0.2867, 0.3246

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

76.3507, 0.3033, 0.3279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.4243, 0.2867, 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(199, 236, 240)` looks like.

```
.text, #text, p{  
    color:rgb(199, 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(199, 236, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 236, 240) }
```

Border

The CSS property to change the border of an element to Yxy 78.4243, 0.2867, 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(199, 236, 240) }
```

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

```
.border{ border-color:rgb(199, 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(199, 236, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 236, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 236, 240);  
box-shadow:4px 4px 4px 4px rgb(199, 236,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 78.4243, 0.2867, 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(199, 236, 240) }
```

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

```
.background{ background-color: rgb(199,  
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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