

Converting Colors

$Yxy(77.5873, 0.2921, 0.3359)$

Have a look what the booklet for
Yxy(77.5873, 0.2921, 0.3359)
contains.

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Color

Yxy(77.7098, 0.2918, 0.3356)

Conversions

Conversions Part 1

Format	Color
Hex	C6ECE6
RGB	198, 236, 230
RGB Percent	78%, 93%, 90%
CMY	0.2234, 0.0745, 0.0982
CMYK	0.16, 0.00, 0.03, 0.07
HSL	170°, 50%, 85%
HSV	170°, 16%, 93%
XYZ	67.5677, 77.7098, 86.2773
YIQ	223.9540, -20.7220, -9.9220

Conversions

Conversions Part 2

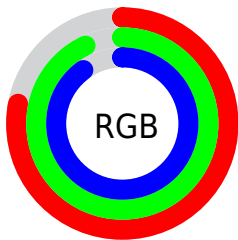
Format	Color
R _Y B	198, 219, 236
Decimal	13036774
CIE Lab	90.65, -13.44, -1.20
CIE LCh	91, 13.498, 185.092
Yxy	77.7098, 0.2918, 0.3356
Android (android.graphics.Color)	4291226854 (0xFFC6ECE6)
YUV	223.9540, 2.9807, -22.7617
Hunter-Lab	88.1532, -17.4512, 3.6789

Details

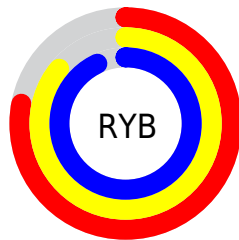
The Yxy color **77.7098, 0.2918, 0.3356** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.5949, 0.3385, 0.3225**, and the grayscale version is **74.4995, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.6670, 0.2869, 0.3362** is the 20% darker color. If you saturate the color by 10%, you get **74.5430, 0.2798, 0.3402**, and if you desaturate by 10%, it is **81.3872, 0.3046, 0.3314**.

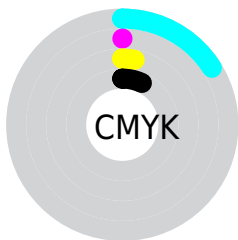
Distribution



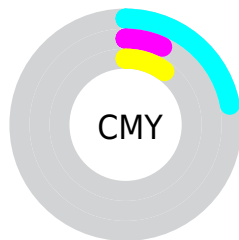
- Red (78%)
- Green (93%)
- Blue (90%)



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



- Cyan (16%)
- Magenta (0%)
- Yellow (3%)
- Black (7%)



- Cyan (22%)
- Magenta (7%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.7098, 0.2918, 0.3356 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 77.7098, 0.2918, 0.3356 by changing the saturation by 10% instead.

■ 77.7098, 0.2918,
0.3356

■ 77.7098, 0.2918,
0.3356

487.1807, 0.3013,
0.3326

■ 57.8356, 0.2897,
0.3363

130.1410, 0.2951,
0.3346

■ 41.6765, 0.2870,
0.3371

163.4667, 0.2964,
0.3342

■ 28.8481, 0.2837,
0.3381

202.0451, 0.2975,
0.3338

■ 18.9659, 0.2794,
0.3394

246.2606, 0.2985,
0.3335

■ 11.6457, 0.2736,
0.3411

296.4975, 0.2993,
0.3333

■ 6.5029, 0.2653,
0.3436

353.1402, 0.3001,

■ 3.1532, 0.2527,

0.3330

416.5731, 0.3007,
0.3328

0.3472

1.2122, 0.2309,
0.3534

0.0717, 0.0000,
0.3070

77.7098, 0.2918,
0.3356

77.7098, 0.2918,
0.3356

74.5430, 0.2798,
0.3402

81.3872, 0.3046,
0.3314

71.8542, 0.2689,
0.3451


85.5873, 0.3180,
0.3276

69.6215, 0.2593,
0.3504


87.6164, 0.3222,
0.3239


67.8179, 0.2515,
0.3559


87.8431, 0.3198,
0.3203


 66.4133, 0.2454,
0.3615


 88.0744, 0.3175,
0.3167


 65.3737, 0.2414,
0.3672

 88.3104, 0.3151,
0.3131

 64.6594, 0.2393,
0.3729

 88.4726, 0.3136,
0.3107

 64.2210, 0.2389,
0.3786

 64.0933, 0.2391,
0.3808

Harmonies

Analogous

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



77.7098, 0.3057, 0.3487



77.7098, 0.2918, 0.3356



77.7098, 0.2836, 0.3209

Triad

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



77.7098, 0.2918, 0.3356



77.7098, 0.3032, 0.3034



77.7098, 0.3434, 0.3482

Complementary

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



77.7098, 0.2918, 0.3356



62.5949, 0.3385, 0.3225

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.



77.7098, 0.3428, 0.3359



77.7098, 0.2918, 0.3356



77.7098, 0.3193, 0.3104

Square

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



77.7098, 0.2918, 0.3356



77.7098, 0.2900, 0.3027



77.7098, 0.3339, 0.3222



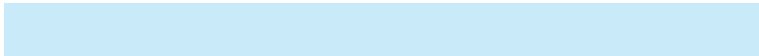
77.7098, 0.3356, 0.3559

Rectangle

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



77.7098, 0.2918, 0.3356



77.7098, 0.2822, 0.3124



77.7098, 0.3339, 0.3222



77.7098, 0.3442, 0.3445

Sweetspot

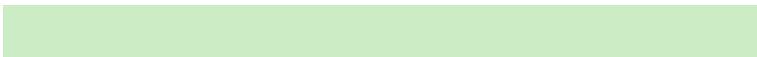
The Sweet Spot groups the original color and five complimentary colors.



77.7130, 0.2918, 0.3356



97.5317, 0.3060, 0.3310



76.9583, 0.3149, 0.3718



20.8043, 0.3051, 0.3312



0.0000, 0.0000, 0.0000



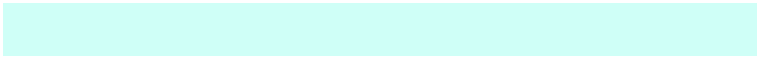
21.4041, 0.3127, 0.3290

Same Dimension

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



77.7130, 0.2918, 0.3356



91.4548, 0.2881, 0.3369



71.0243, 0.2878, 0.3148



17.0784, 0.3002, 0.3328



35.3445, 0.2389, 0.3798



2.7864, 0.2367, 0.3720

Inverse Universe

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



62.5949, 0.3385, 0.3225



70.5356, 0.3444, 0.3213



68.3432, 0.3411, 0.3428



15.0931, 0.3268, 0.3253



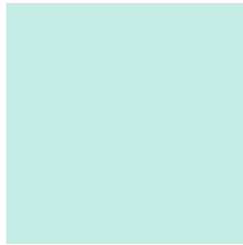
9.9173, 0.6172, 0.3174



0.7905, 0.5826, 0.2983

Previews

White Background



This preview shows how the Yxy color 77.7098, 0.2918, 0.3356 looks on a white background.

Color Contrast Check

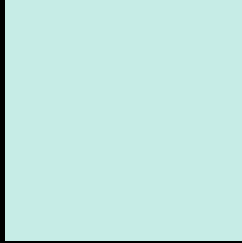
Large Text (above 18pt) WCAG AA × Fail

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 77.7098, 0.2918, 0.3356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

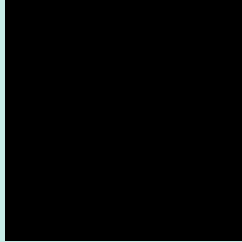
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

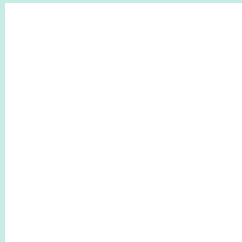
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.7098, 0.2918, 0.3356

Background



This preview shows how black text looks on a background with the Yxy color 77.7098, 0.2918, 0.3356.

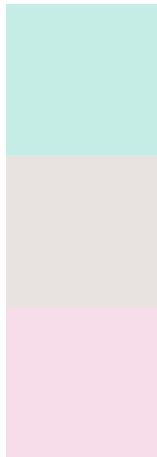


This preview shows how white text looks on a background with the Yxy color 77.7098, 0.2918, 0.3356.

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

77.7098, 0.2918, 0.3356

Protanopia

77.5302, 0.3175, 0.3311

Deuteranopia

77.3703, 0.3232, 0.3169



Tritanopia

77.7994, 0.2822, 0.3096

Trichromacy



Original Color

77.7098, 0.2918, 0.3356

Protanomaly

77.3553, 0.3078, 0.3322

Deuteranomaly

76.8769, 0.3109, 0.3227

Tritanomaly

77.7342, 0.2861, 0.3192

Monochromacy



Original Color

77.7098, 0.2918, 0.3356

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

75.4249, 0.3051, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.7098, 0.2918, 0.3356 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(198, 236, 230)` looks like.

```
.text, #text, p{  
    color:rgb(198, 236, 230)  
}
```

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(198, 236, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 236, 230) }
```

Border

The CSS property to change the border of an element to Yxy 77.7098, 0.2918, 0.3356 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(198, 236, 230) }
```

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

```
.border{ border-color:rgb(198, 236, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 236, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 236, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 236, 230);  
box-shadow:4px 4px 4px 4px rgb(198, 236,  
230) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 77.7098, 0.2918, 0.3356$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 236, 230) }
```

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

```
.background{ background-color: rgb(198,  
236, 230) }
```

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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