

Converting Colors

$Yxy(80.9034, 0.2853, 0.3340)$

Have a look what the booklet for
Yxy(80.9034, 0.2853, 0.3340)
contains.

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Color

Yxy(80.9561, 0.2851, 0.3344)

Conversions

Conversions Part 1

Format	Color
Hex	C1F2ED
RGB	193, 242, 237
RGB Percent	76%, 95%, 93%
CMY	0.2434, 0.0509, 0.0705
CMYK	0.20, 0.00, 0.02, 0.05
HSL	174°, 65%, 85%
HSV	174°, 20%, 95%
XYZ	69.0209, 80.9561, 92.1166
YIQ	226.7790, -27.5990, -11.9430

Conversions

Conversions Part 2

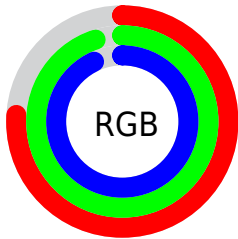
Format	Color
R_{YB}	193, 219, 242
Decimal	12710637
CIE _{Lab}	92.11, -16.58, -2.76
CIE _{LCh}	92, 16.810, 189.439
Yxy	80.9561, 0.2851, 0.3344
Android (android.graphics.Color)	4290900717 (0xFFC1F2ED)
YUV	226.7790, 5.0390, -29.6242
Hunter-Lab	89.9756, -20.5288, 2.2821

Details

The Yxy color **80.9561, 0.2851, 0.3344** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.0710, 0.3492, 0.3237**, and the grayscale version is **76.6199, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0640, 0.3096, 0.3290**, and **43.8573, 0.2788, 0.3361** is the 20% darker color. If you saturate the color by 10%, you get **77.8925, 0.2729, 0.3374**, and if you desaturate by 10%, it is **84.5487, 0.2983, 0.3316**.

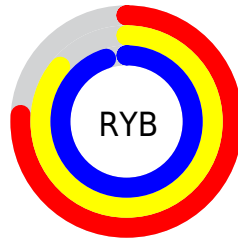
Distribution



Red (76%)

Green (95%)

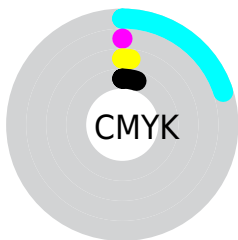
Blue (93%)



Red (76%)

Yellow (86%)

Blue (95%)

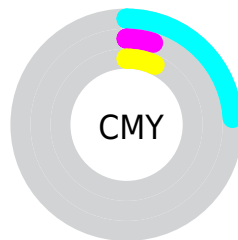


Cyan (20%)

Magenta (0%)

Yellow (2%)

Black (5%)



Cyan (24%)


Magenta (5%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.9561, 0.2851, 0.3344 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 80.9561, 0.2851, 0.3344 by changing the saturation by 10% instead.


 80.9561, 0.2851,
0.3344

 80.9561, 0.2851,
0.3344


498.1491, 0.2976,
0.3321

 60.5054, 0.2823,
0.3349


 134.7091, 0.2894,
0.3336

 43.8262, 0.2789,
0.3355


168.7803, 0.2910,
0.3333

 30.5339, 0.2747,
0.3363


208.1604, 0.2925,
0.3330

 20.2442, 0.2692,
0.3372

253.2339, 0.2938,
0.3328

 12.5727, 0.2619,
0.3384

304.3851, 0.2949,
0.3326

 7.1349, 0.2517,
0.3400


361.9984, 0.2959,


 3.5466, 0.2364,


0.3324


426.4583, 0.2968,
0.3322

0.3422

 1.4233, 0.2110,
0.3452


 0.2338, 0.0000,
0.3433


 80.9561, 0.2851,
0.3344


 80.9561, 0.2851,
0.3344


 77.8925, 0.2729,
0.3374


 84.5487, 0.2983,
0.3316


 75.3227, 0.2620,
0.3406


 88.6840, 0.3123,
0.3291

 73.2226, 0.2526,
0.3440


 91.3310, 0.3198,
0.3267


 71.5620, 0.2451,
0.3474


 91.4823, 0.3182,
0.3243

 70.3076, 0.2395,
0.3510


 91.6357, 0.3167,
0.3219


 69.4207, 0.2358,
0.3545

 91.7910, 0.3152,
0.3196

 68.8557, 0.2340,
0.3581

 91.9484, 0.3137,
0.3172

 68.5411, 0.2337,
0.3614

 91.9940, 0.3133,
0.3166

Harmonies

Analogous

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



80.9561, 0.3013, 0.3514



80.9561, 0.2851, 0.3344



80.9561, 0.2763, 0.3164

Triad

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



80.9561, 0.2851, 0.3344



80.9561, 0.3037, 0.2985



80.9561, 0.3497, 0.3543

Complementary

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



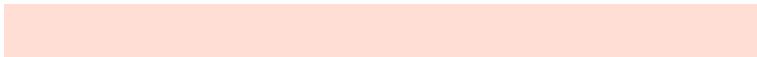
80.9561, 0.2851, 0.3344



61.0710, 0.3492, 0.3237

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.



80.9561, 0.3505, 0.3396



80.9561, 0.2851, 0.3344



80.9561, 0.3235, 0.3081

Square

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



80.9561, 0.2851, 0.3344



80.9561, 0.2868, 0.2964



80.9561, 0.3409, 0.3229



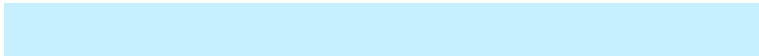
80.9561, 0.3387, 0.3627

Rectangle

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



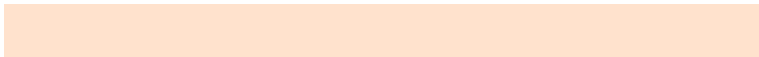
80.9561, 0.2851, 0.3344



80.9561, 0.2757, 0.3066



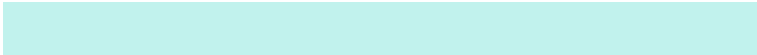
80.9561, 0.3409, 0.3229



80.9561, 0.3512, 0.3499

Sweetspot

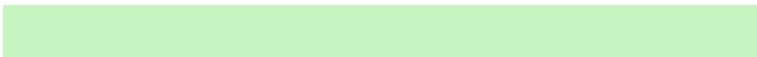
The Sweet Spot groups the original color and five complimentary colors.



80.9594, 0.2851, 0.3344



97.1127, 0.3042, 0.3305



79.4589, 0.3138, 0.3845



20.7218, 0.3033, 0.3307



0.0000, 0.0000, 0.0000



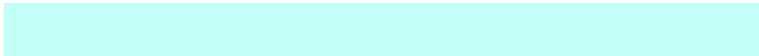
21.4041, 0.3127, 0.3290

Same Dimension

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



80.9594, 0.2851, 0.3344



89.7874, 0.2803, 0.3355



70.6276, 0.2810, 0.3080



17.8996, 0.2995, 0.3314



36.8271, 0.2336, 0.3609



3.0716, 0.2323, 0.3562

Inverse Universe

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



61.0710, 0.3492, 0.3237



63.9267, 0.3580, 0.3227



69.6931, 0.3493, 0.3491



15.7850, 0.3277, 0.3266



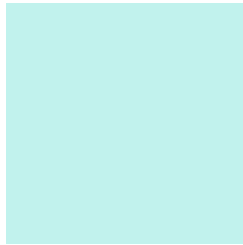
10.1871, 0.6281, 0.3234



0.8562, 0.6030, 0.3096

Previews

White Background



This preview shows how the Yxy color 80.9561, 0.2851, 0.3344 looks on a white background.

Color Contrast Check

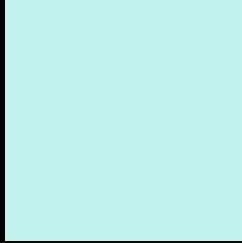
Large Text (above 18pt) WCAG AA × Fail

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 80.9561, 0.2851, 0.3344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

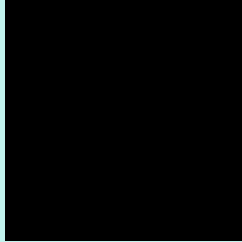
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

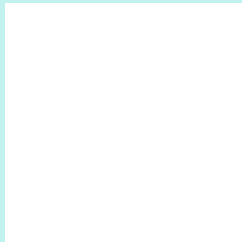
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.9561, 0.2851, 0.3344

Background



This preview shows how black text looks on a background with the Yxy color 80.9561, 0.2851, 0.3344.

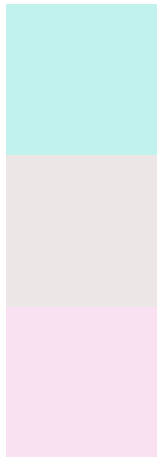


This preview shows how white text looks on a background with the Yxy color 80.9561, 0.2851, 0.3344.

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

80.9561, 0.2851, 0.3344

Protanopia

80.6979, 0.3168, 0.3300

Deuteranopia

80.5253, 0.3197, 0.3131



Tritanopia

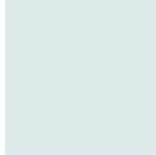
80.9256, 0.2804, 0.3109

Trichromacy



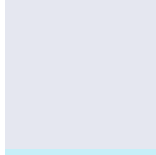
Original Color

80.9561, 0.2851, 0.3344



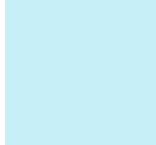
Protanomaly

80.5155, 0.3040, 0.3311



Deuteranomaly

80.1011, 0.3058, 0.3197



Tritanomaly

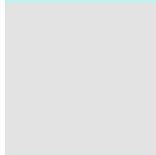
80.6524, 0.2825, 0.3193

Monochromacy



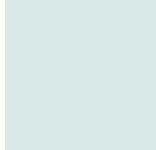
Original Color

80.9561, 0.2851, 0.3344



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

77.9298, 0.3020, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.9561, 0.2851, 0.3344 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(193, 242, 237)` looks like.

```
.text, #text, p{  
    color:rgb(193, 242, 237)  
}
```

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(193, 242, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 242, 237) }
```

Border

The CSS property to change the border of an element to Yxy 80.9561, 0.2851, 0.3344 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(193, 242, 237) }
```

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

```
.border{ border-color:rgb(193, 242, 237) }
```

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

Here you see how a box with a 4 pixel rgb(193, 242, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 242, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 242, 237);  
box-shadow:4px 4px 4px 4px rgb(193, 242,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 80.9561, 0.2851, 0.3344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 242, 237) }
```

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

```
.background{ background-color: rgb(193,  
242, 237) }
```

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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