

Converting Colors

Yxy(81.3453, 0.2962, 0.3449)

Have a look what the booklet for
Yxy(81.3453, 0.2962, 0.3449)
contains.

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Color

Yxy(81.6069, 0.2961, 0.3453)

Conversions

Conversions Part 1

Format	Color
Hex	CAF2E3
RGB	202, 242, 227
RGB Percent	79%, 95%, 89%
CMY	0.2078, 0.0510, 0.1097
CMYK	0.17, 0.00, 0.06, 0.05
HSL	158°, 61%, 87%
HSV	158°, 17%, 95%
XYZ	69.9792, 81.6069, 84.7502
YIQ	228.3300, -19.0250, -13.1450

Conversions

Conversions Part 2

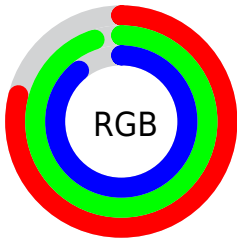
Format	Color
R _{YB}	202, 227, 242
Decimal	13300451
CIE Lab	92.40, -15.76, 2.92
CIE LCh	92, 16.027, 169.487
Yxy	81.6069, 0.2961, 0.3453
Android (android.graphics.Color)	4291490531 (0xFFCAF2E3)
YUV	228.3300, -0.6557, -23.0914
Hunter-Lab	90.3365, -19.8140, 7.6120

Details

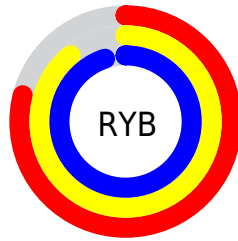
The Yxy color **81.6069, 0.2961, 0.3453** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.1350, 0.3328, 0.3133**, and the grayscale version is **77.8572, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.2994, 0.2917, 0.3489** is the 20% darker color. If you saturate the color by 10%, you get **78.0071, 0.2867, 0.3566**, and if you desaturate by 10%, it is **85.7692, 0.3061, 0.3351**.

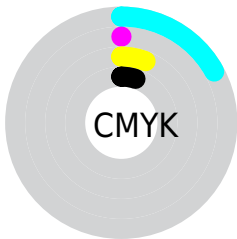
Distribution



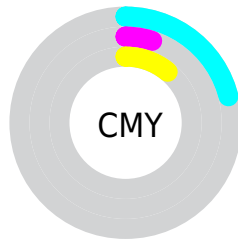
- Red (79%)
- Green (95%)
- Blue (89%)



- Red (79%)
- Yellow (89%)
- Blue (95%)



- Cyan (17%)
- Magenta (0%)
- Yellow (6%)
- Black (5%)



- Cyan (21%)
- Magenta (5%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.6069, 0.2961, 0.3453 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 81.6069, 0.2961, 0.3453 by changing the saturation by 10% instead.

81.6069, 0.2961,
0.3453

81.6069, 0.2961,
0.3453

500.3318, 0.3037,
0.3378

61.0416, 0.2944,
0.3470

135.6226, 0.2987,
0.3427

44.2587, 0.2923,
0.3491

169.8418, 0.2997,
0.3417

30.8740, 0.2897,
0.3517

209.3810, 0.3006,
0.3408

20.5029, 0.2863,
0.3551

254.6247, 0.3014,
0.3401

12.7611, 0.2817,
0.3598

305.9572, 0.3021,
0.3394

7.2643, 0.2751,
0.3664

363.7630, 0.3027,

3.6279, 0.2652,

0.3388

0.3767

428.4264, 0.3032,
0.3383

■ 1.4677, 0.2481,
0.3947

■ 0.2658, 0.0000,
0.7577

■ 81.6069, 0.2961,
0.3453

■ 81.6069, 0.2961,
0.3453

■ 78.0071, 0.2867,
0.3566

■ 85.7692, 0.3061,
0.3351

■ 74.9347, 0.2781,
0.3688

■ 90.5071, 0.3163,
0.3259

■ 72.3660, 0.2707,
0.3820

■ 91.9342, 0.3138,
0.3173

■ 70.2716, 0.2647,
0.3959

■ 91.9844, 0.3133,
0.3165

■ 68.6190, 0.2605,
0.4104

■ 67.3715, 0.2583,
0.4251

■ 66.4859, 0.2581,
0.4397

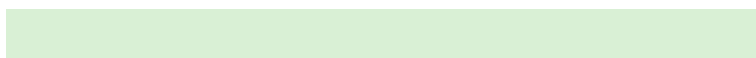
■ 65.9083, 0.2599,
0.4540

■ 65.7499, 0.2608,
0.4590

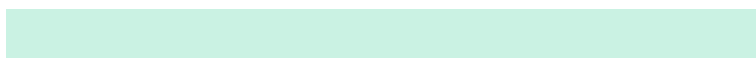
Harmonies

Analogous

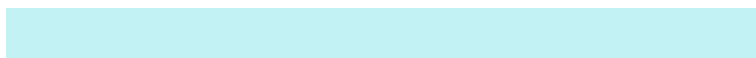
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.6069, 0.3142, 0.3578



81.6069, 0.2961, 0.3453



81.6069, 0.2827, 0.3283

Triad

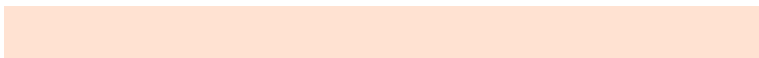
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.6069, 0.2961, 0.3453



81.6069, 0.2928, 0.2978



81.6069, 0.3496, 0.3442

Complementary

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



81.6069, 0.2961, 0.3453



66.1350, 0.3328, 0.3133

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.



81.6069, 0.3436, 0.3285



81.6069, 0.2961, 0.3453



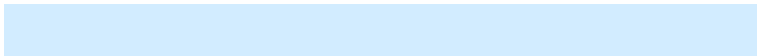
81.6069, 0.3104, 0.3023

Square

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



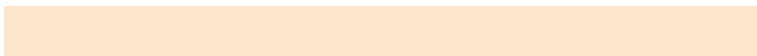
81.6069, 0.2961, 0.3453



81.6069, 0.2809, 0.3011



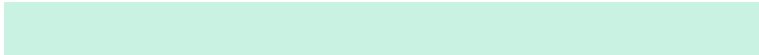
81.6069, 0.3291, 0.3134



81.6069, 0.3453, 0.3566

Rectangle

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



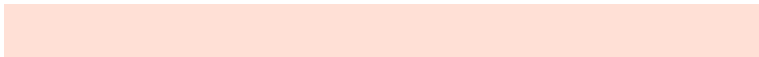
81.6069, 0.2961, 0.3453



81.6069, 0.2781, 0.3171



81.6069, 0.3291, 0.3134



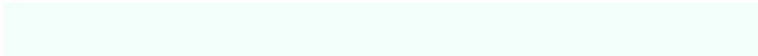
81.6069, 0.3487, 0.3392

Sweetspot

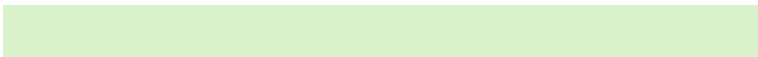
The Sweet Spot groups the original color and five complimentary colors.



81.6103, 0.2961, 0.3453



97.3577, 0.3076, 0.3336



82.5737, 0.3207, 0.3723



20.7619, 0.3069, 0.3343



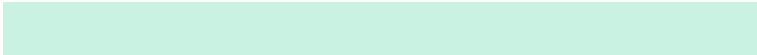
0.0000, 0.0000, 0.0000



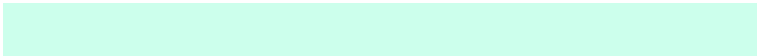
21.4041, 0.3127, 0.3290

Same Dimension

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



81.6103, 0.2961, 0.3453



90.4073, 0.2927, 0.3492



79.7323, 0.2875, 0.3239



17.8227, 0.3031, 0.3380



35.3486, 0.2602, 0.4566



2.9599, 0.2550, 0.4378

Inverse Universe

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



66.1350, 0.3328, 0.3133



69.7792, 0.3381, 0.3097



67.6131, 0.3435, 0.3341



15.8568, 0.3234, 0.3202



10.5680, 0.5479, 0.2792



0.8978, 0.5121, 0.2595

Previews

White Background



This preview shows how the Yxy color 81.6069, 0.2961, 0.3453 looks on a white background.

Color Contrast Check

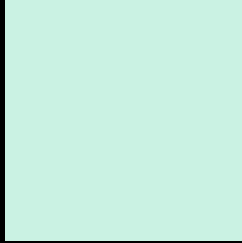
Large Text (above 18pt) WCAG AA × Fail

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 81.6069, 0.2961, 0.3453 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

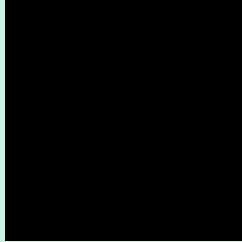
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

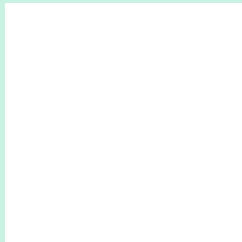
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.6069, 0.2961, 0.3453

Background



This preview shows how black text looks on a background with the Yxy color 81.6069, 0.2961, 0.3453.

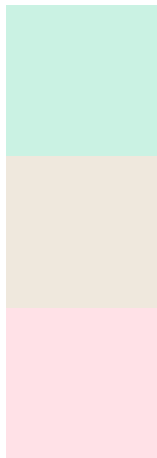


This preview shows how white text looks on a background with the Yxy color 81.6069, 0.2961, 0.3453.

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

81.6069, 0.2961, 0.3453

Protanopia

81.2844, 0.3246, 0.3404

Deuteranopia

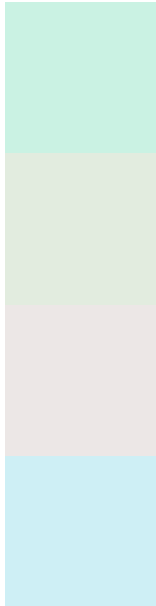
80.8799, 0.3299, 0.3231



Tritanopia

81.3437, 0.2845, 0.3101

Trichromacy



Original Color

81.6069, 0.2961, 0.3453

Protanomaly

81.4874, 0.3141, 0.3427

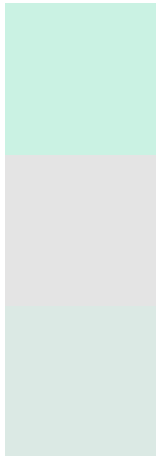
Deuteranomaly

80.6979, 0.3168, 0.3300

Tritanomaly

81.4474, 0.2883, 0.3225

Monochromacy



Original Color

81.6069, 0.2961, 0.3453

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

78.9393, 0.3064, 0.3343

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.6069, 0.2961, 0.3453 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(202, 242, 227)` looks like.

```
.text, #text, p{  
    color:rgb(202, 242, 227)  
}
```

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(202, 242, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 242, 227) }
```

Border

The CSS property to change the border of an element to Yxy 81.6069, 0.2961, 0.3453 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(202, 242, 227) }
```

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

```
.border{ border-color:rgb(202, 242, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 242, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 242, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 242, 227);  
box-shadow:4px 4px 4px 4px rgb(202, 242,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 81.6069, 0.2961, 0.3453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 242, 227) }
```

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

```
.background{ background-color: rgb(202,  
242, 227) }
```

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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