

Converting Colors

$Yxy(80.3748, 0.3009, 0.3387)$

Have a look what the booklet for
Yxy(80.3748, 0.3009, 0.3387)
contains.

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Color

Yxy(80.6551, 0.3006, 0.3387)

Conversions

Conversions Part 1

Format	Color
Hex	D3EEE5
RGB	211, 238, 229
RGB Percent	83%, 93%, 90%
CMY	0.1724, 0.0667, 0.1021
CMYK	0.11, 0.00, 0.04, 0.07
HSL	160°, 44%, 88%
HSV	160°, 11%, 93%
XYZ	71.5823, 80.6551, 85.8940
YIQ	228.9010, -13.2030, -8.5230

Conversions

Conversions Part 2

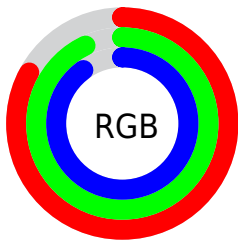
Format	Color
R _Y B	211, 227, 238
Decimal	13889253
CIE _{Lab}	91.98, -10.51, 1.37
CIE _{LCh}	92, 10.601, 172.570
Y _{xy}	80.6551, 0.3006, 0.3387
Android (android.graphics.Color)	4292079333 (0xFFD3EEE5)
Y _{UV}	228.9010, 0.0488, -15.6992
Hunter-Lab	89.8082, -14.8895, 6.1598

Details

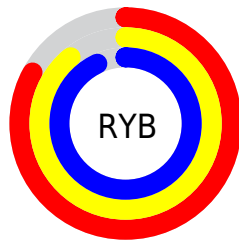
The Yxy color $80.6551, 0.3006, 0.3387$ is a light color, and the websafe version is hex `CCFFFF`. A complement of this color would be $69.9509, 0.3265, 0.3195$, and the grayscale version is $78.2884, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $43.5798, 0.2972, 0.3402$ is the 20% darker color. If you saturate the color by 10%, you get $76.9636, 0.2904, 0.3482$, and if you desaturate by 10%, it is $84.8943, 0.3113, 0.3301$.

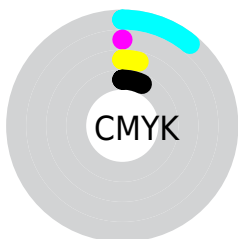
Distribution



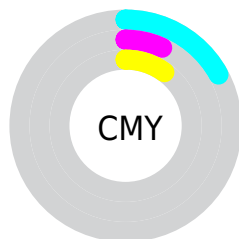
- Red (83%)
- Green (93%)
- Blue (90%)



- Red (83%)
- Yellow (89%)
- Blue (93%)



- Cyan (11%)
- Magenta (0%)
- Yellow (4%)
- Black (7%)



- Cyan (17%)
- Magenta (7%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.6551, 0.3006, 0.3387 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 80.6551, 0.3006, 0.3387 by changing the saturation by 10% instead.

80.6551, 0.3006,
0.3387

80.6551, 0.3006,
0.3387

497.1378, 0.3061,
0.3343

60.2576, 0.2994,
0.3397

134.2864, 0.3025,
0.3372

43.6263, 0.2978,
0.3409

168.2889, 0.3032,
0.3366

30.3768, 0.2959,
0.3425

207.5953, 0.3039,
0.3361

20.1248, 0.2934,
0.3445

252.5898, 0.3044,
0.3356

12.4858, 0.2901,
0.3472

303.6570, 0.3049,
0.3352

7.0754, 0.2853,
0.3511

361.1811, 0.3054,

3.5093, 0.2781,

0.3349

0.3570

425.5466, 0.3058,
0.3346

■ 1.4031, 0.2656,
0.3674

■ 0.2190, 0.0000,
0.6056

■ 80.6551, 0.3006,
0.3387

■ 80.6551, 0.3006,
0.3387

■ 76.9636, 0.2904,
0.3482

■ 84.8943, 0.3113,
0.3301

■ 73.7866, 0.2809,
0.3587

■ 88.9980, 0.3197,
0.3223

■ 71.1028, 0.2724,
0.3700

■ 89.4957, 0.3148,
0.3147

■ 68.8852, 0.2653,
0.3819

■ 89.6306, 0.3135,
0.3127

■ 67.1045, 0.2598,
0.3945

■ 65.7277, 0.2562,
0.4074

■ 64.7172, 0.2546,
0.4204

■ 64.0276, 0.2550,
0.4334

■ 63.6270, 0.2568,
0.4444

Harmonies

Analogous

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



80.6551, 0.3125, 0.3473



80.6551, 0.3006, 0.3387



80.6551, 0.2920, 0.3275

Triad

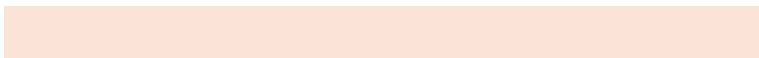
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.6551, 0.3006, 0.3387



80.6551, 0.3006, 0.3081



80.6551, 0.3371, 0.3403

Complementary

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



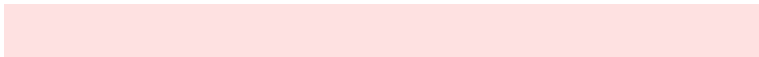
80.6551, 0.3006, 0.3387



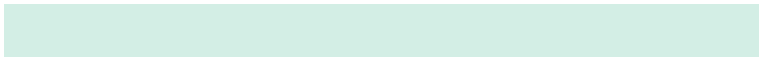
69.9509, 0.3265, 0.3195

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.



80.6551, 0.3338, 0.3300



80.6551, 0.3006, 0.3387



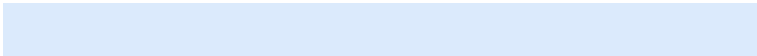
80.6551, 0.3126, 0.3116

Square

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



80.6551, 0.3006, 0.3387



80.6551, 0.2920, 0.3100



80.6551, 0.3248, 0.3196



80.6551, 0.3337, 0.3480

Rectangle

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



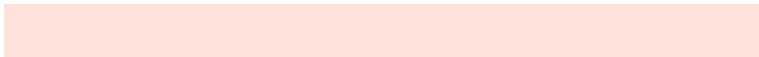
80.6551, 0.3006, 0.3387



80.6551, 0.2893, 0.3202



80.6551, 0.3248, 0.3196



80.6551, 0.3368, 0.3371

Sweetspot

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



80.6585, 0.3006, 0.3387



98.4138, 0.3095, 0.3315



81.1440, 0.3176, 0.3580



20.9760, 0.3086, 0.3321



0.0000, 0.0000, 0.0000



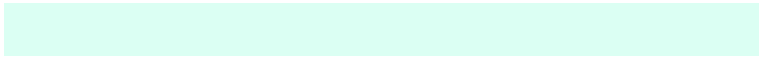
21.4041, 0.3127, 0.3290

Same Dimension

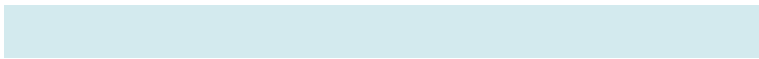
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.6585, 0.3006, 0.3387



93.0997, 0.2978, 0.3412



78.8470, 0.2953, 0.3246



17.8336, 0.3026, 0.3370



35.5216, 0.2562, 0.4424



2.9735, 0.2516, 0.4256

Inverse Universe

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



69.9509, 0.3265, 0.3195



77.8643, 0.3304, 0.3171



71.5207, 0.3325, 0.3333



15.8463, 0.3241, 0.3211



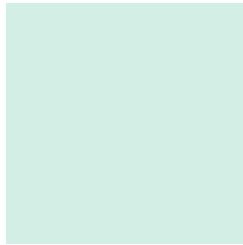
10.4838, 0.5633, 0.2877



0.8900, 0.5264, 0.2673

Previews

White Background



This preview shows how the Yxy color 80.6551, 0.3006, 0.3387 looks on a white background.

Color Contrast Check

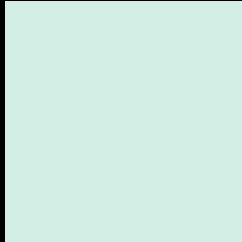
Large Text (above 18pt) WCAG AA × Fail

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 80.6551, 0.3006, 0.3387 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

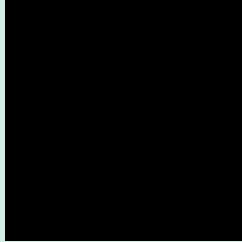
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

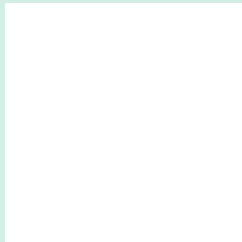
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.6551, 0.3006, 0.3387

Background



This preview shows how black text looks on a background with the Yxy color 80.6551, 0.3006, 0.3387.

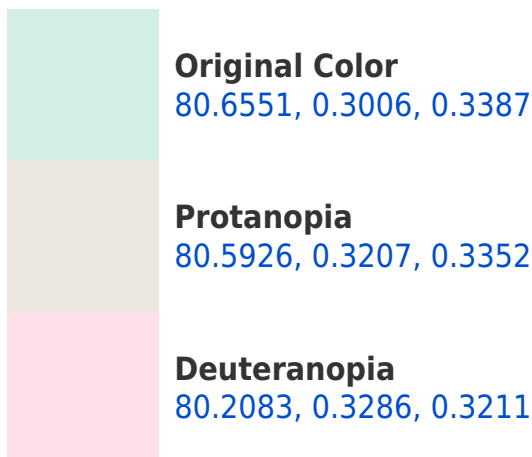


This preview shows how white text looks on a background with the Yxy color 80.6551, 0.3006, 0.3387.

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

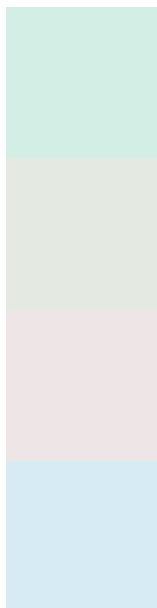




Tritanopia

80.3846, 0.2891, 0.3091

Trichromacy



Original Color

80.6551, 0.3006, 0.3387

Protanomaly

80.8306, 0.3137, 0.3374

Deuteranomaly

79.9853, 0.3176, 0.3270

Tritanomaly

80.2445, 0.2937, 0.3194

Monochromacy



Original Color

80.6551, 0.3006, 0.3387

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.9000, 0.3079, 0.3322

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.6551, 0.3006, 0.3387 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(211, 238, 229)` looks like.

```
.text, #text, p{  
    color:rgb(211, 238, 229)  
}
```

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(211, 238, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 238, 229) }
```

Border

The CSS property to change the border of an element to Yxy 80.6551, 0.3006, 0.3387 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(211, 238, 229) }
```

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

```
.border{ border-color:rgb(211, 238, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 238, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 238, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 238, 229);  
box-shadow:4px 4px 4px 4px rgb(211, 238,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 80.6551, 0.3006, 0.3387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 238, 229) }
```

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

```
.background{ background-color: rgb(211,  
238, 229) }
```

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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