

Converting Colors

Yxy(80.1484, 0.3058, 0.3398)

Have a look what the booklet for
Yxy(80.1484, 0.3058, 0.3398)
contains.

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Color

Yxy(80.0808, 0.3056, 0.3397)

Conversions

Conversions Part 1

Format	Color
Hex	D8ECE2
RGB	216, 236, 226
RGB Percent	85%, 93%, 89%
CMY	0.1529, 0.0745, 0.1137
CMYK	0.08, 0.00, 0.04, 0.07
HSL	150°, 34%, 89%
HSV	150°, 8%, 93%
XYZ	72.0421, 80.0808, 83.6169
YIQ	228.8800, -8.7100, -7.3500

Conversions

Conversions Part 2

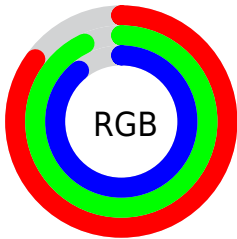
Format	Color
R _Y B	216, 229, 236
Decimal	14216418
CIE Lab	91.72, -8.43, 2.58
CIE LCh	92, 8.817, 163.016
Yxy	80.0808, 0.3056, 0.3397
Android (android.graphics.Color)	4292406498 (0xFFD8ECE2)
YUV	228.8800, -1.4198, -11.2958
Hunter-Lab	89.4879, -12.9026, 7.2413

Details

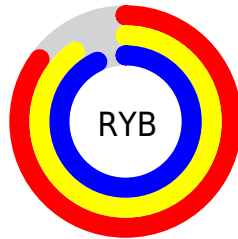
The Yxy color **80.0808, 0.3056, 0.3397** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.4358, 0.3205, 0.3185**, and the grayscale version is **78.2794, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.1599, 0.3036, 0.3415** is the 20% darker color. If you saturate the color by 10%, you get **76.1186, 0.2974, 0.3537**, and if you desaturate by 10%, it is **84.6106, 0.3140, 0.3272**.

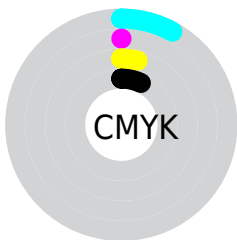
Distribution



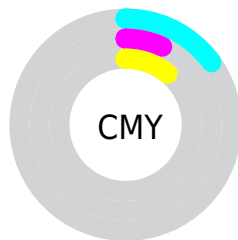
- Red (85%)
- Green (93%)
- Blue (89%)



- Red (85%)
- Yellow (90%)
- Blue (93%)



- Cyan (8%)
- Magenta (0%)
- Yellow (4%)
- Black (7%)





- Cyan (15%)
- Magenta (7%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.0808, 0.3056, 0.3397 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 80.0808, 0.3056, 0.3397 by changing the saturation by 10% instead.


 80.0808, 0.3056,
0.3397

 80.0808, 0.3056,
0.3397


495.2051, 0.3089,
0.3348

 59.7848, 0.3049,
0.3408

133.4793, 0.3067,
0.3380

 43.2452, 0.3040,
0.3422


167.3507, 0.3072,
0.3373

 30.0776, 0.3028,
0.3439


206.5160, 0.3075,
0.3368

 19.8975, 0.3013,
0.3462

251.3596, 0.3079,
0.3363

 12.3205, 0.2993,
0.3492

302.2659, 0.3082,
0.3358

 6.9624, 0.2964,
0.3536

359.6193, 0.3084,

 3.4386, 0.2920,

0.3355

0.3604

423.8043, 0.3087,
0.3351

■ 1.3648, 0.2842,
0.3724

■ 0.1905, 0.0000,
0.8743

■ 80.0808, 0.3056,
0.3397

■ 80.0808, 0.3056,
0.3397

■ 76.1186, 0.2974,
0.3537

■ 84.6106, 0.3140,
0.3272

■ 72.6910, 0.2896,
0.3692

■ 88.1306, 0.3169,
0.3159

■ 69.7770, 0.2826,
0.3861

■ 88.4739, 0.3136,
0.3107

■ 67.3503, 0.2767,
0.4043

■ 65.3822, 0.2721,
0.4235

■ 63.8407, 0.2693,
0.4432

■ 62.6897, 0.2684,
0.4630

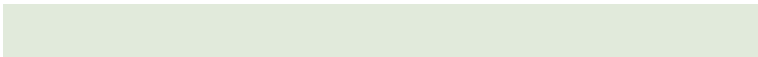
■ 61.8865, 0.2696,
0.4823

■ 61.3702, 0.2726,
0.5005

Harmonies

Analogous

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



80.0808, 0.3159, 0.3456



80.0808, 0.3056, 0.3397



80.0808, 0.2973, 0.3308

Triad

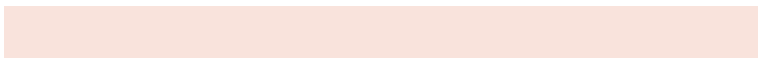
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.0808, 0.3056, 0.3397



80.0808, 0.2999, 0.3116



80.0808, 0.3328, 0.3359

Complementary

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



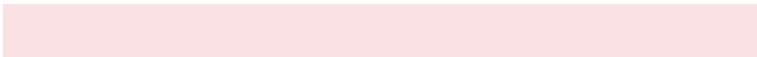
80.0808, 0.3056, 0.3397



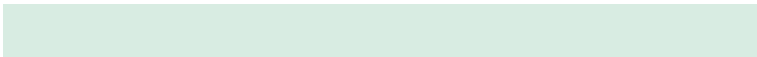
72.4358, 0.3205, 0.3185

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.



80.0808, 0.3283, 0.3270



80.0808, 0.3056, 0.3397



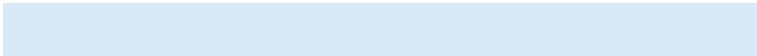
80.0808, 0.3093, 0.3131

Square

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



80.0808, 0.3056, 0.3397



80.0808, 0.2941, 0.3146



80.0808, 0.3197, 0.3187



80.0808, 0.3317, 0.3432

Rectangle

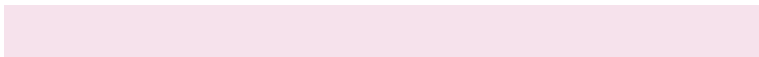
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



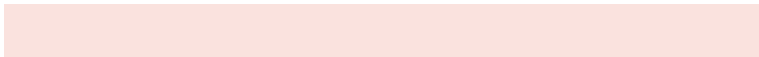
80.0808, 0.3056, 0.3397



80.0808, 0.2940, 0.3245



80.0808, 0.3197, 0.3187



80.0808, 0.3319, 0.3330

Sweetspot

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



80.0842, 0.3056, 0.3397



98.3341, 0.3102, 0.3327



81.1208, 0.3184, 0.3502



20.9545, 0.3095, 0.3337



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

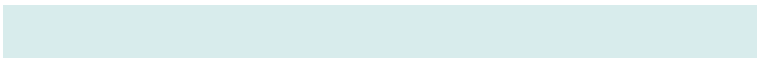
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.0842, 0.3056, 0.3397



94.6867, 0.3043, 0.3418



80.6491, 0.2996, 0.3290



16.9879, 0.3048, 0.3410



33.8163, 0.2723, 0.5004



2.6748, 0.2653, 0.4751

Inverse Universe

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



72.4358, 0.3205, 0.3185



84.0010, 0.3220, 0.3165



71.9029, 0.3274, 0.3290



15.1796, 0.3215, 0.3173



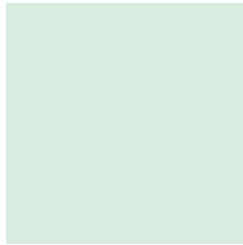
10.5759, 0.4958, 0.2505



0.8499, 0.4650, 0.2335

Previews

White Background



This preview shows how the Yxy color 80.0808, 0.3056, 0.3397 looks on a white background.

Color Contrast Check

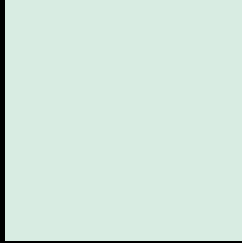
Large Text (above 18pt) WCAG AA × Fail

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 80.0808, 0.3056, 0.3397 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

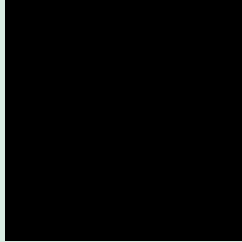
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

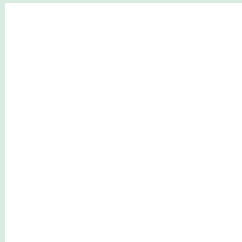
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.0808, 0.3056, 0.3397

Background



This preview shows how black text looks on a background with the Yxy color 80.0808, 0.3056, 0.3397.

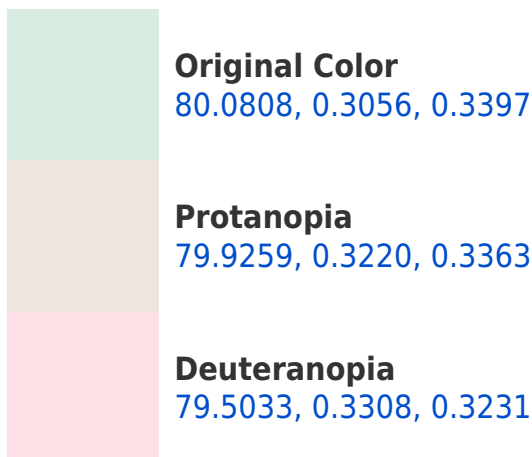


This preview shows how white text looks on a background with the Yxy color 80.0808, 0.3056, 0.3397.

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

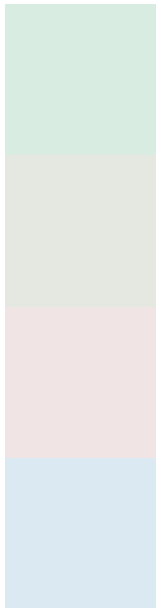




Tritanopia

79.8939, 0.2933, 0.3092

Trichromacy



Original Color

80.0808, 0.3056, 0.3397

Protanomaly

79.7531, 0.3157, 0.3374

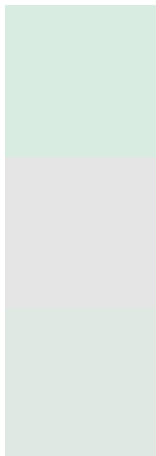
Deuteranomaly

79.6135, 0.3210, 0.3290

Tritanomaly

79.7487, 0.2980, 0.3195

Monochromacy



Original Color

80.0808, 0.3056, 0.3397

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

79.1620, 0.3098, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.0808, 0.3056, 0.3397 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(216, 236, 226)` looks like.

```
.text, #text, p{  
    color:rgb(216, 236, 226)  
}
```

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(216, 236, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 236, 226) }
```

Border

The CSS property to change the border of an element to Yxy 80.0808, 0.3056, 0.3397 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(216, 236, 226) }
```

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

```
.border{ border-color:rgb(216, 236, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 236, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 236, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 236, 226);  
box-shadow:4px 4px 4px 4px rgb(216, 236,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 80.0808, 0.3056, 0.3397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 236, 226) }
```

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

```
.background{ background-color: rgb(216,  
236, 226) }
```

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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