

Converting Colors

Yxy(80.4104, 0.3087, 0.3466)

Have a look what the booklet for
Yxy(80.4104, 0.3087, 0.3466)
contains.

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Color

Yxy(80.3878, 0.3086, 0.3462)

Conversions

Conversions Part 1

Format	Color
Hex	D8EDDD
RGB	216, 237, 221
RGB Percent	85%, 93%, 87%
CMY	0.1529, 0.0706, 0.1333
CMYK	0.09, 0.00, 0.07, 0.07
HSL	134°, 37%, 89%
HSV	134°, 9%, 93%
XYZ	71.6571, 80.3878, 80.1556
YIQ	228.8970, -7.3800, -9.4280

Conversions

Conversions Part 2

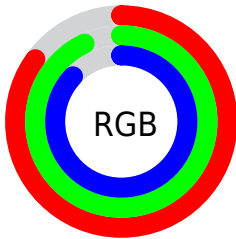
Format	Color
RYB	216, 233, 237
Decimal	14216669
CIELab	91.86, -9.84, 5.38
CIELCh	92, 11.212, 151.351
Yxy	80.3878, 0.3086, 0.3462
Android (android.graphics.Color)	4292406749 (0xFFD8EDDD)
YUV	228.8970, -3.8932, -11.3107
Hunter-Lab	89.6592, -14.2437, 9.7561

Details

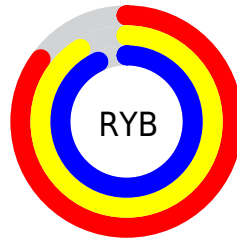
The Yxy color $80.3878, 0.3086, 0.3462$ is a light color, and the websafe version is hex `CCFFFF`. A complement of this color would be $72.9467, 0.3171, 0.3124$, and the grayscale version is $78.3116, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $43.3780, 0.3075, 0.3500$ is the 20% darker color. If you saturate the color by 10%, you get $76.1267, 0.3040, 0.3680$, and if you desaturate by 10%, it is $85.2798, 0.3132, 0.3269$.

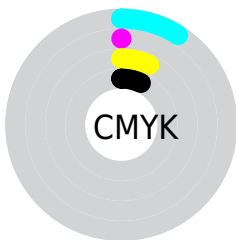
Distribution



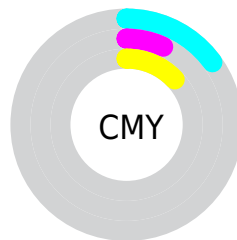
- Red (85%)
- Green (93%)
- Blue (87%)



- Red (85%)
- Yellow (91%)
- Blue (93%)



- Cyan (9%)
- Magenta (0%)
- Yellow (7%)
- Black (7%)



- Cyan (15%)
- Magenta (7%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.3878, 0.3086, 0.3462 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 80.3878, 0.3086, 0.3462 by changing the saturation by 10% instead.

80.3878, 0.3086,
0.3462

80.3878, 0.3086,
0.3462

496.2388, 0.3105,
0.3383

60.0375, 0.3082,
0.3480

133.9108, 0.3093,
0.3435

43.4489, 0.3076,
0.3502

167.8524, 0.3095,
0.3424

30.2375, 0.3069,
0.3530

207.0931, 0.3098,
0.3415

20.0189, 0.3060,
0.3567

252.0175, 0.3100,
0.3407

12.4088, 0.3047,
0.3617

303.0098, 0.3101,
0.3400

7.0227, 0.3028,
0.3689

360.4545, 0.3103,

3.4763, 0.2999,

0.3393

424.7361, 0.3104,
0.3388

0.3802

■ 1.3852, 0.2944,
0.4003

■ 0.2058, 0.0000,
1.0000

■ 80.3878, 0.3086,
0.3462

■ 80.3878, 0.3086,
0.3462

■ 76.1267, 0.3040,
0.3680

■ 85.2798, 0.3132,
0.3269

■ 72.4609, 0.2995,
0.3923

■ 89.0498, 0.3135,
0.3117

■ 69.3664, 0.2954,
0.4189

■ 66.8141, 0.2919,
0.4473

■ 64.7718, 0.2895,
0.4765

■ 63.2042, 0.2882,
0.5052

■ 62.0711, 0.2884,
0.5320

■ 61.3255, 0.2901,
0.5551

■ 60.8988, 0.2928,
0.5735

Harmonies

Analogous

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



80.3878, 0.3217, 0.3516



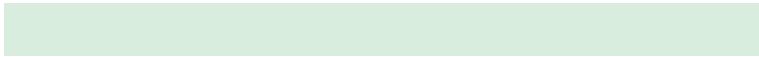
80.3878, 0.3086, 0.3462



80.3878, 0.2967, 0.3359

Triad

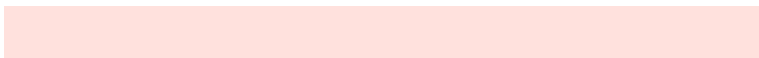
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.3878, 0.3086, 0.3462



80.3878, 0.2930, 0.3077



80.3878, 0.3368, 0.3333

Complementary

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



80.3878, 0.3086, 0.3462



72.9467, 0.3171, 0.3124

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.



80.3878, 0.3288, 0.3221



80.3878, 0.3086, 0.3462



80.3878, 0.3034, 0.3075

Square

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



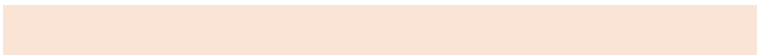
80.3878, 0.3086, 0.3462



80.3878, 0.2878, 0.3136



80.3878, 0.3165, 0.3127



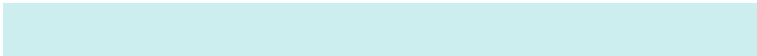
80.3878, 0.3382, 0.3438

Rectangle

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



80.3878, 0.3086, 0.3462



80.3878, 0.2911, 0.3279



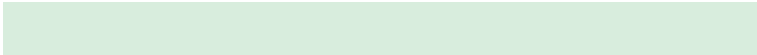
80.3878, 0.3165, 0.3127



80.3878, 0.3348, 0.3295

Sweetspot

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



80.3912, 0.3086, 0.3462



98.2083, 0.3113, 0.3346



82.7013, 0.3225, 0.3510



20.9206, 0.3109, 0.3362



0.0000, 0.0000, 0.0000



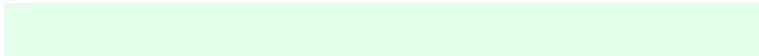
21.4041, 0.3127, 0.3290

Same Dimension

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



80.3912, 0.3086, 0.3462



93.7626, 0.3076, 0.3507



80.9623, 0.3024, 0.3349



16.9210, 0.3083, 0.3474



33.2438, 0.2924, 0.5728



2.6251, 0.2852, 0.5466

Inverse Universe

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



72.9467, 0.3171, 0.3124



82.9674, 0.3183, 0.3082



72.3736, 0.3242, 0.3232



15.2488, 0.3174, 0.3112



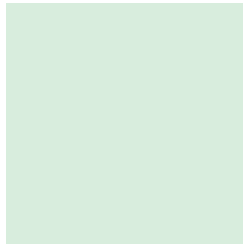
11.6610, 0.3921, 0.1934



0.9304, 0.3801, 0.1868

Previews

White Background



This preview shows how the Yxy color 80.3878, 0.3086, 0.3462 looks on a white background.

Color Contrast Check

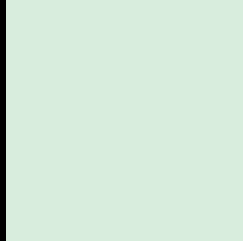
Large Text (above 18pt) WCAG AA × Fail

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 80.3878, 0.3086, 0.3462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

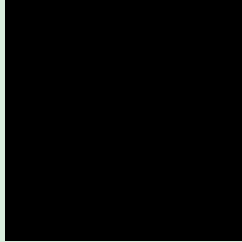
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

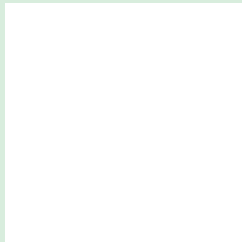
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.3878, 0.3086, 0.3462

Background



This preview shows how black text looks on a background with the Yxy color 80.3878, 0.3086, 0.3462.

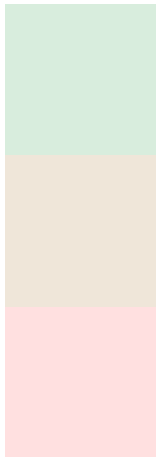


This preview shows how white text looks on a background with the Yxy color 80.3878, 0.3086, 0.3462.

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

80.3878, 0.3086, 0.3462

Protanopia

79.9541, 0.3274, 0.3425

Deuteranopia

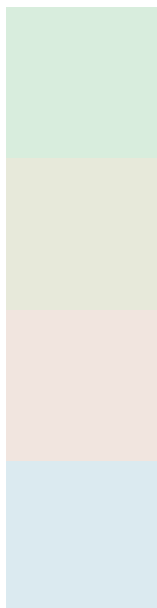
79.9531, 0.3348, 0.3291



Tritanopia

80.6150, 0.2940, 0.3103

Trichromacy



Original Color

80.3878, 0.3086, 0.3462

Protanomaly

80.3287, 0.3208, 0.3448

Deuteranomaly

80.0671, 0.3249, 0.3352

Tritanomaly

80.1970, 0.2992, 0.3226

Monochromacy



Original Color

80.3878, 0.3086, 0.3462

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

79.0515, 0.3111, 0.3354

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.3878, 0.3086, 0.3462 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, 237, 221)` looks like.

```
.text, #text, p{  
    color:rgb(216, 237, 221)  
}
```

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, 237, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 237, 221) }
```

Border

The CSS property to change the border of an element to Yxy 80.3878, 0.3086, 0.3462 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, 237, 221) }
```

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

```
.border{ border-color:rgb(216, 237, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 237, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 237, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 237, 221);  
box-shadow:4px 4px 4px 4px rgb(216, 237,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 80.3878, 0.3086, 0.3462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 237, 221) }
```

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

```
.background{ background-color: rgb(216,  
237, 221) }
```

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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