

Converting Colors

$Yxy(80.4196, 0.3108, 0.3473)$

Have a look what the booklet for
Yxy(80.4196, 0.3108, 0.3473)
contains.

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Color

Yxy(80.6411, 0.3105, 0.3472)

Conversions

Conversions Part 1

Format	Color
Hex	DAEDDC
RGB	218, 237, 220
RGB Percent	85%, 93%, 86%
CMY	0.1451, 0.0706, 0.1371
CMYK	0.08, 0.00, 0.07, 0.07
HSL	126°, 35%, 89%
HSV	126°, 8%, 93%
XYZ	72.1171, 80.6411, 79.5030
YIQ	229.3810, -5.8670, -9.3150

Conversions

Conversions Part 2

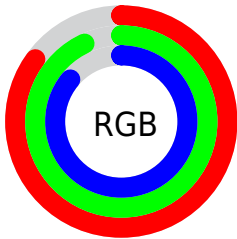
Format	Color
R _Y B	218, 235, 237
Decimal	14347740
CIE Lab	91.97, -9.36, 6.06
CIE LCh	92, 11.147, 147.057
Yxy	80.6411, 0.3105, 0.3472
Android (android.graphics.Color)	4292537820 (0xFFDAEDDC)
YUV	229.3810, -4.6248, -9.9811
Hunter-Lab	89.8004, -13.8005, 10.3690

Details

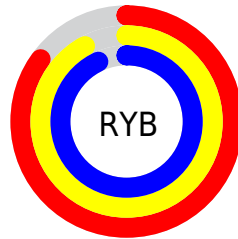
The Yxy color **80.6411, 0.3105, 0.3472** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.1370, 0.3150, 0.3115**, and the grayscale version is **78.6901, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.5509, 0.3100, 0.3514** is the 20% darker color. If you saturate the color by 10%, you get **76.1979, 0.3077, 0.3727**, and if you desaturate by 10%, it is **85.7553, 0.3132, 0.3248**.

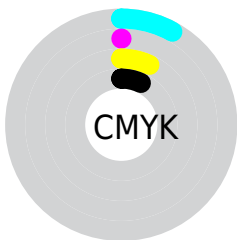
Distribution



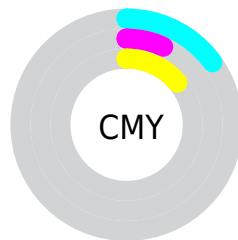
- Red (85%)
- Green (93%)
- Blue (86%)



- Red (85%)
- Yellow (92%)
- Blue (93%)



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



- Cyan (15%)
- Magenta (7%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.6411, 0.3105, 0.3472 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 80.6411, 0.3105, 0.3472 by changing the saturation by 10% instead.

■ 80.6411, 0.3105,
0.3472

■ 80.6411, 0.3105,
0.3472

497.0908, 0.3116,
0.3388

■ 60.2461, 0.3102,
0.3491

134.2667, 0.3109,
0.3443

■ 43.6170, 0.3099,
0.3515

168.2661, 0.3110,
0.3432

■ 30.3695, 0.3095,
0.3544

207.5690, 0.3111,
0.3422

■ 20.1192, 0.3090,
0.3583

252.5599, 0.3113,
0.3413

■ 12.4817, 0.3082,
0.3636

303.6231, 0.3113,
0.3406

■ 7.0727, 0.3071,
0.3712

361.1430, 0.3114,

■ 3.5076, 0.3052,

0.3399

0.3831

425.5041, 0.3115,
0.3394

■ 1.4021, 0.3016,
0.4043

■ 0.2183, 0.0000,
1.0000

■ 80.6411, 0.3105,
0.3472

■ 80.6411, 0.3105,
0.3472

■ 76.1979, 0.3077,
0.3727

■ 85.7553, 0.3132,
0.3248

■ 72.3879, 0.3048,
0.4011

■ 89.0515, 0.3135,
0.3117

■ 69.1855, 0.3021,
0.4322

■ 66.5591, 0.2996,
0.4650

■ 64.4744, 0.2977,
0.4981

■ 62.8932, 0.2965,
0.5293

■ 61.7726, 0.2962,
0.5566

■ 61.0622, 0.2968,
0.5777

■ 60.6944, 0.2980,
0.5916

Harmonies

Analogous

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



80.6411, 0.3235, 0.3517



80.6411, 0.3105, 0.3472



80.6411, 0.2983, 0.3375

Triad

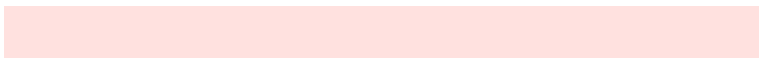
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.6411, 0.3105, 0.3472



80.6411, 0.2920, 0.3084



80.6411, 0.3359, 0.3317

Complementary

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



80.6411, 0.3105, 0.3472



74.1370, 0.3150, 0.3115

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.



80.6411, 0.3271, 0.3206



80.6411, 0.3105, 0.3472



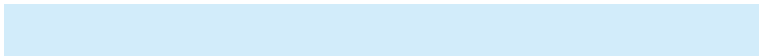
80.6411, 0.3017, 0.3073

Square

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



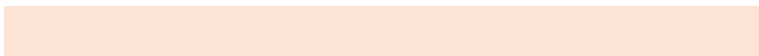
80.6411, 0.3105, 0.3472



80.6411, 0.2878, 0.3149



80.6411, 0.3145, 0.3118



80.6411, 0.3383, 0.3424

Rectangle

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



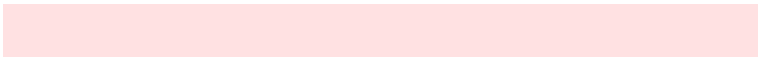
80.6411, 0.3105, 0.3472



80.6411, 0.2923, 0.3296



80.6411, 0.3145, 0.3118



80.6411, 0.3336, 0.3279

Sweetspot

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



80.6445, 0.3105, 0.3472



98.7560, 0.3122, 0.3334



83.3126, 0.3233, 0.3488



21.1509, 0.3122, 0.3332



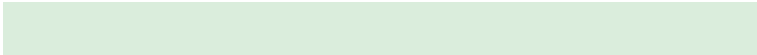
0.0000, 0.0000, 0.0000



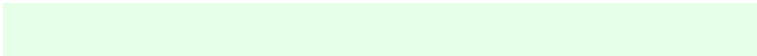
21.4041, 0.3127, 0.3290

Same Dimension

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



80.6445, 0.3105, 0.3472



94.1011, 0.3099, 0.3521



81.1544, 0.3048, 0.3371



16.8886, 0.3101, 0.3507



33.1171, 0.2978, 0.5921



2.6093, 0.2930, 0.5749

Inverse Universe

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



74.1370, 0.3150, 0.3115



84.6195, 0.3156, 0.3070



73.6104, 0.3213, 0.3211



15.2841, 0.3154, 0.3083



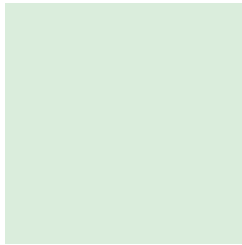
12.4200, 0.3501, 0.1702



0.9833, 0.3455, 0.1677

Previews

White Background



This preview shows how the Yxy color 80.6411, 0.3105, 0.3472 looks on a white background.

Color Contrast Check

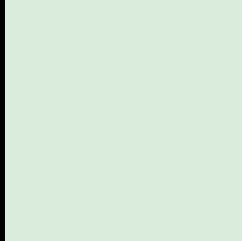
Large Text (above 18pt) WCAG AA × Fail

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 80.6411, 0.3105, 0.3472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

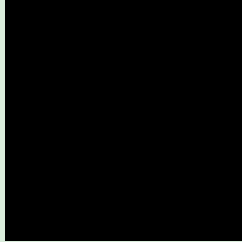
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

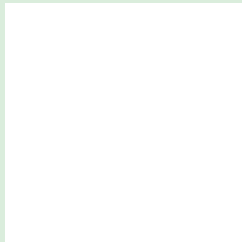
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.6411, 0.3105, 0.3472

Background



This preview shows how black text looks on a background with the Yxy color 80.6411, 0.3105, 0.3472.

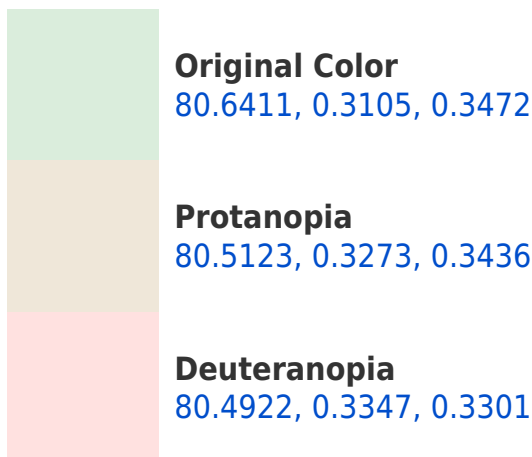


This preview shows how white text looks on a background with the Yxy color 80.6411, 0.3105, 0.3472.

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

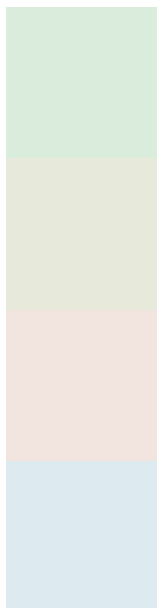




Tritanopia

80.3662, 0.2952, 0.3093

Trichromacy



Original Color

80.6411, 0.3105, 0.3472

Protanomaly

80.3287, 0.3208, 0.3448

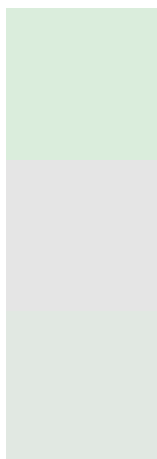
Deuteranomaly

80.2436, 0.3256, 0.3352

Tritanomaly

80.5091, 0.3005, 0.3227

Monochromacy



Original Color

80.6411, 0.3105, 0.3472

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

79.2118, 0.3117, 0.3353

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.6411, 0.3105, 0.3472 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(218, 237, 220)` looks like.

```
.text, #text, p{  
    color:rgb(218, 237, 220)  
}
```

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(218, 237, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 237, 220) }
```

Border

The CSS property to change the border of an element to Yxy 80.6411, 0.3105, 0.3472 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(218, 237, 220) }
```

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

```
.border{ border-color:rgb(218, 237, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 237, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(218, 237, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(218, 237, 220); box-shadow:4px 4px 4px 4px rgb(218, 237, 220) }
```


Background

The CSS property to change the background color of an element to Yxy 80.6411, 0.3105, 0.3472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 237, 220) }
```

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

```
.background{ background-color: rgb(218,  
237, 220) }
```

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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