

Converting Colors

Yxy(80.8454, 0.3114, 0.3455)

Have a look what the booklet for
Yxy(80.8454, 0.3114, 0.3455)
contains.

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Color

Yxy(81.0045, 0.3113, 0.3461)

Conversions

Conversions Part 1

Format	Color
Hex	DCEDDD
RGB	220, 237, 221
RGB Percent	86%, 93%, 87%
CMY	0.1370, 0.0706, 0.1334
CMYK	0.07, 0.00, 0.07, 0.07
HSL	123°, 32%, 90%
HSV	123°, 7%, 93%
XYZ	72.8596, 81.0045, 80.1853
YIQ	230.0930, -4.9960, -8.5800

Conversions

Conversions Part 2

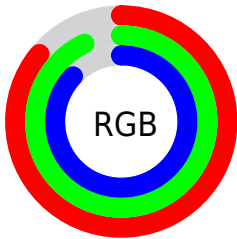
Format	Color
R_{YB}	220, 236, 237
Decimal	14478813
CIE Lab	92.13, -8.49, 5.83
CIE LCh	92, 10.300, 145.545
Yxy	81.0045, 0.3113, 0.3461
Android (android.graphics.Color)	4292668893 (0xFFDCEDDD)
YUV	230.0930, -4.4828, -8.8516
Hunter-Lab	90.0025, -13.0036, 10.1789

Details

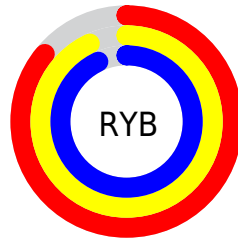
The Yxy color **81.0045, 0.3113, 0.3461** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **75.2778, 0.3141, 0.3125**, and the grayscale version is **79.2464, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.8003, 0.3109, 0.3498** is the 20% darker color. If you saturate the color by 10%, you get **76.4517, 0.3092, 0.3729**, and if you desaturate by 10%, it is **86.2478, 0.3133, 0.3226**.

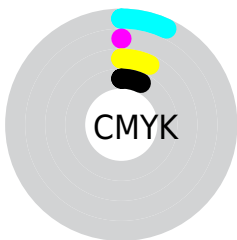
Distribution



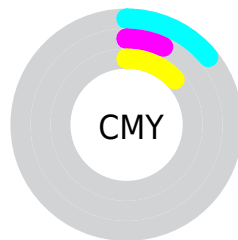
- Red (86%)
- Green (93%)
- Blue (87%)



- Red (86%)
- Yellow (93%)
- Blue (93%)



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



- Cyan (14%)
- Magenta (7%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.0045, 0.3113, 0.3461 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 81.0045, 0.3113, 0.3461 by changing the saturation by 10% instead.

81.0045, 0.3113,
0.3461

81.0045, 0.3113,
0.3461

498.3116, 0.3120,
0.3382

60.5453, 0.3111,
0.3479

134.7771, 0.3115,
0.3434

43.8583, 0.3109,
0.3501

168.8593, 0.3116,
0.3423

30.5591, 0.3107,
0.3529

208.2512, 0.3117,
0.3414

20.2634, 0.3103,
0.3565

253.3374, 0.3118,
0.3406

12.5866, 0.3098,
0.3614

304.5021, 0.3119,
0.3399

7.1445, 0.3090,
0.3685

362.1298, 0.3119,

3.5527, 0.3077,

0.3393

426.6048, 0.3120,
0.3387

0.3795

1.4266, 0.3050,
0.3990

0.2362, 0.0678,
0.9322

81.0045, 0.3113,
0.3461

81.0045, 0.3113,
0.3461

76.4517, 0.3092,
0.3729

86.2478, 0.3133,
0.3226

72.5509, 0.3070,
0.4028

89.0448, 0.3135,
0.3117

69.2753, 0.3048,
0.4356

66.5924, 0.3028,
0.4700

■ 64.4668, 0.3010,
0.5044

■ 62.8591, 0.2997,
0.5365

■ 61.7252, 0.2989,
0.5636

■ 61.0130, 0.2988,
0.5836

■ 60.6565, 0.2993,
0.5954

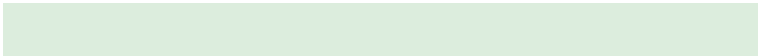
Harmonies

Analogous

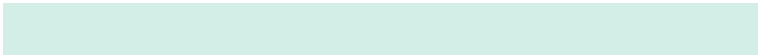
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.0045, 0.3232, 0.3500



81.0045, 0.3113, 0.3461



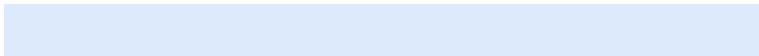
81.0045, 0.3000, 0.3374

Triad

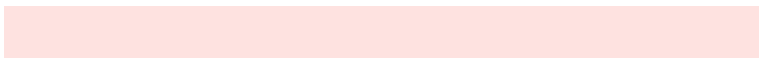
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.0045, 0.3113, 0.3461



81.0045, 0.2933, 0.3101



81.0045, 0.3338, 0.3310

Complementary

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



81.0045, 0.3113, 0.3461



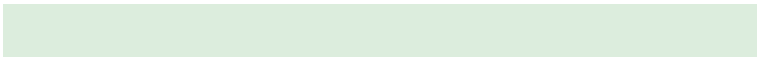
75.2778, 0.3141, 0.3125

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.



81.0045, 0.3255, 0.3208



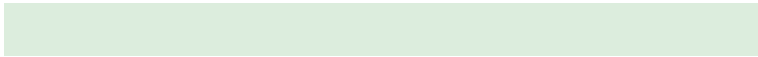
81.0045, 0.3113, 0.3461



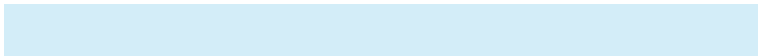
81.0045, 0.3020, 0.3089

Square

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



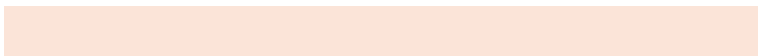
81.0045, 0.3113, 0.3461



81.0045, 0.2897, 0.3165



81.0045, 0.3138, 0.3127



81.0045, 0.3363, 0.3409

Rectangle

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



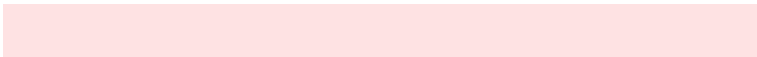
81.0045, 0.3113, 0.3461



81.0045, 0.2942, 0.3301



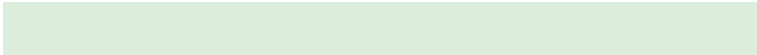
81.0045, 0.3138, 0.3127



81.0045, 0.3316, 0.3275

Sweetspot

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



81.0080, 0.3113, 0.3461



98.7389, 0.3123, 0.3336



83.5929, 0.3227, 0.3465



21.1474, 0.3123, 0.3334



0.0000, 0.0000, 0.0000



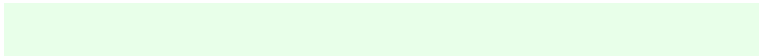
21.4041, 0.3127, 0.3290

Same Dimension

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



81.0080, 0.3113, 0.3461



94.5847, 0.3109, 0.3509



81.4665, 0.3062, 0.3371



16.8755, 0.3108, 0.3520



33.0897, 0.2990, 0.5965



2.6030, 0.2964, 0.5870

Inverse Universe

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



75.2778, 0.3141, 0.3125



86.1409, 0.3145, 0.3080



74.8011, 0.3197, 0.3211



15.2987, 0.3146, 0.3070



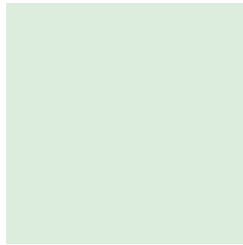
12.7763, 0.3351, 0.1619



1.0076, 0.3329, 0.1608

Previews

White Background



This preview shows how the Yxy color 81.0045, 0.3113, 0.3461 looks on a white background.

Color Contrast Check

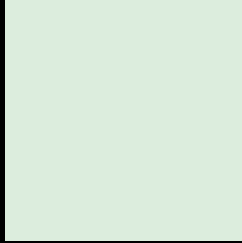
Large Text (above 18pt) WCAG AA × Fail

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 81.0045, 0.3113, 0.3461 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

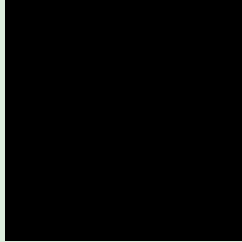
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

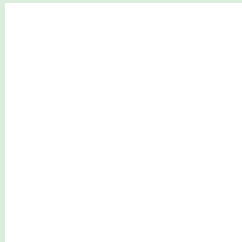
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.0045, 0.3113, 0.3461

Background



This preview shows how black text looks on a background with the Yxy color 81.0045, 0.3113, 0.3461.

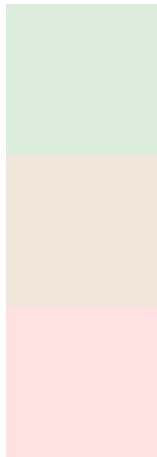


This preview shows how white text looks on a background with the Yxy color 81.0045, 0.3113, 0.3461.

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

81.0045, 0.3113, 0.3461

Protanopia

80.7390, 0.3273, 0.3425

Deuteranopia

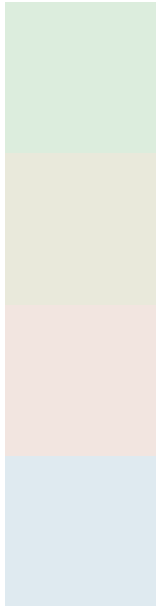
80.5467, 0.3340, 0.3291



Tritanopia

81.2504, 0.2965, 0.3105

Trichromacy



Original Color

81.0045, 0.3113, 0.3461

Protanomaly

80.7159, 0.3216, 0.3437

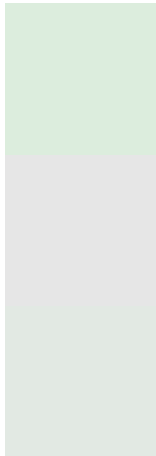
Deuteranomaly

80.2977, 0.3250, 0.3342

Tritanomaly

80.8249, 0.3018, 0.3227

Monochromacy



Original Color

81.0045, 0.3113, 0.3461

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.9926, 0.3117, 0.3353

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.0045, 0.3113, 0.3461 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(220, 237, 221)` looks like.

```
.text, #text, p{  
    color:rgb(220, 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(220, 237, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 237, 221) }
```

Border

The CSS property to change the border of an element to Yxy 81.0045, 0.3113, 0.3461 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(220, 237, 221) }
```

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

```
.border{ border-color:rgb(220, 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(220, 237, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 237, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 237, 221);  
box-shadow:4px 4px 4px 4px rgb(220, 237,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 81.0045, 0.3113, 0.3461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 237, 221) }
```

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

```
.background{ background-color: rgb(220,  
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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