

Converting Colors

Yxy(81.4309, 0.3131, 0.3493)

Have a look what the booklet for
Yxy(81.4309, 0.3131, 0.3493)
contains.

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Color

Yxy(81.6357, 0.3131, 0.3493)

Conversions

Conversions Part 1

Format	Color
Hex	DDEEDB
RGB	221, 238, 219
RGB Percent	87%, 93%, 86%
CMY	0.1334, 0.0666, 0.1413
CMYK	0.07, 0.00, 0.08, 0.07
HSL	114°, 36%, 90%
HSV	114°, 8%, 93%
XYZ	73.1753, 81.6357, 78.9013
YIQ	230.7510, -4.0330, -9.5130

Conversions

Conversions Part 2

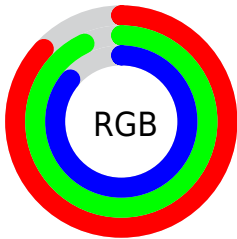
Format	Color
R _Y B	219, 238, 236
Decimal	14544603
CIE Lab	92.41, -9.04, 7.28
CIE LCh	92, 11.607, 141.159
Yxy	81.6357, 0.3131, 0.3493
Android (android.graphics.Color)	4292734683 (0xFFDDEEDB)
YUV	230.7510, -5.7932, -8.5516
Hunter-Lab	90.3525, -13.5520, 11.4711

Details

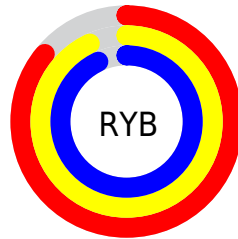
The Yxy color **81.6357, 0.3131, 0.3493** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.6562, 0.3122, 0.3093**, and the grayscale version is **79.7628, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.2432, 0.3132, 0.3540** is the 20% darker color. If you saturate the color by 10%, you get **77.3431, 0.3134, 0.3776**, and if you desaturate by 10%, it is **86.5378, 0.3126, 0.3242**.

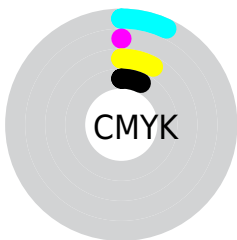
Distribution



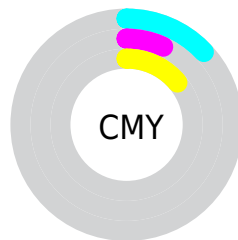
- Red (87%)
- Green (93%)
- Blue (86%)



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



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.6357, 0.3131, 0.3493 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 81.6357, 0.3131, 0.3493 by changing the saturation by 10% instead.

 81.6357, 0.3131,
0.3493

 81.6357, 0.3131,
0.3493


500.4283, 0.3130,
0.3400

 61.0653, 0.3131,
0.3514


135.6630, 0.3131,
0.3461

 44.2779, 0.3131,
0.3540


169.8887, 0.3131,
0.3448

 30.8890, 0.3131,
0.3573


209.4350, 0.3130,
0.3437

 20.5144, 0.3131,
0.3616

254.6862, 0.3130,
0.3428

 12.7695, 0.3130,
0.3675

306.0267, 0.3130,
0.3420

 7.2700, 0.3128,
0.3759

363.8410, 0.3130,

 3.6315, 0.3124,

0.3412

0.3890

428.5134, 0.3130,
0.3406

■ 1.4697, 0.3111,
0.4120

■ 0.2672, 0.1108,
0.8892

■ 81.6357, 0.3131,
0.3493

■ 81.6357, 0.3131,
0.3493

■ 77.3431, 0.3134,
0.3776

■ 86.5378, 0.3126,
0.3242

■ 73.6261, 0.3135,
0.4090

■ 89.6347, 0.3135,
0.3127

■ 70.4635, 0.3132,
0.4429

■ 67.8285, 0.3124,
0.4780

■ 65.6922, 0.3112,
0.5124

■ 64.0230, 0.3094,
0.5437

■ 62.7855, 0.3072,
0.5693

■ 61.9391, 0.3048,
0.5872

■ 61.4335, 0.3024,
0.5970

Harmonies

Analogous

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



81.6357, 0.3263, 0.3527



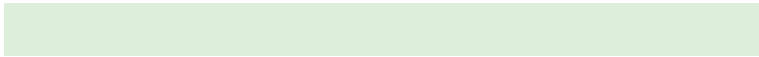
81.6357, 0.3131, 0.3493



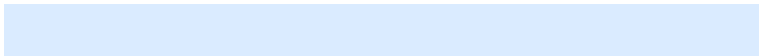
81.6357, 0.3000, 0.3401

Triad

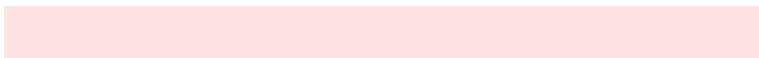
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.6357, 0.3131, 0.3493



81.6357, 0.2899, 0.3085



81.6357, 0.3354, 0.3295

Complementary

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



81.6357, 0.3131, 0.3493



74.6562, 0.3122, 0.3093

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.



81.6357, 0.3253, 0.3182



81.6357, 0.3131, 0.3493



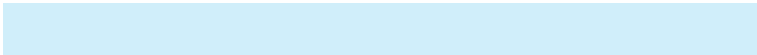
81.6357, 0.2990, 0.3062

Square

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



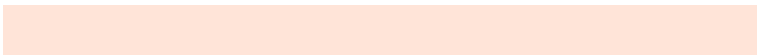
81.6357, 0.3131, 0.3493



81.6357, 0.2868, 0.3163



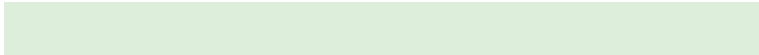
81.6357, 0.3119, 0.3098



81.6357, 0.3393, 0.3408

Rectangle

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



81.6357, 0.3131, 0.3493



81.6357, 0.2931, 0.3321



81.6357, 0.3119, 0.3098



81.6357, 0.3326, 0.3256

Sweetspot

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



81.6392, 0.3131, 0.3493



98.8213, 0.3128, 0.3339



83.1616, 0.3248, 0.3464



21.1642, 0.3128, 0.3337



0.0000, 0.0000, 0.0000



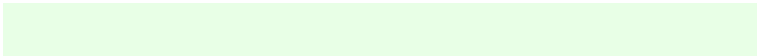
21.4041, 0.3127, 0.3290

Same Dimension

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



81.6392, 0.3131, 0.3493



94.3949, 0.3132, 0.3548



81.7172, 0.3073, 0.3415



17.7365, 0.3132, 0.3533



34.2582, 0.3026, 0.5980



2.8764, 0.3082, 0.5935

Inverse Universe

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



74.6562, 0.3122, 0.3093



84.2867, 0.3121, 0.3042



74.5832, 0.3185, 0.3169



15.9414, 0.3121, 0.3056



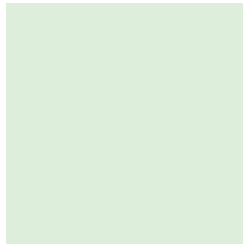
11.3513, 0.2944, 0.1395



0.9685, 0.2981, 0.1416

Previews

White Background



This preview shows how the Yxy color 81.6357, 0.3131, 0.3493 looks on a white background.

Color Contrast Check

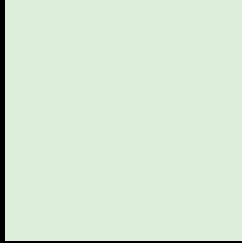
Large Text (above 18pt) WCAG AA × Fail

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 81.6357, 0.3131, 0.3493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

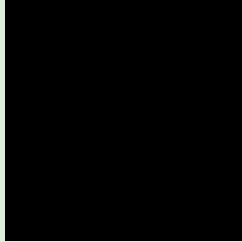
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

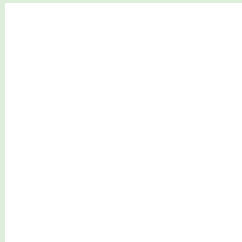
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.6357, 0.3131, 0.3493

Background



This preview shows how black text looks on a background with the Yxy color 81.6357, 0.3131, 0.3493.

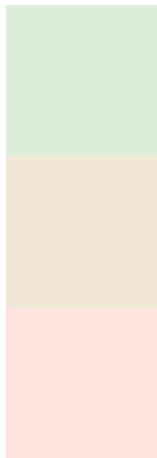


This preview shows how white text looks on a background with the Yxy color 81.6357, 0.3131, 0.3493.

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

81.6357, 0.3131, 0.3493

Protanopia

81.3719, 0.3292, 0.3456

Deuteranopia

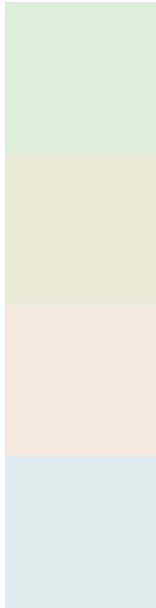
81.5800, 0.3344, 0.3321



Tritanopia

81.4749, 0.2966, 0.3095

Trichromacy



Original Color

81.6357, 0.3131, 0.3493

Protanomaly

81.3478, 0.3235, 0.3468

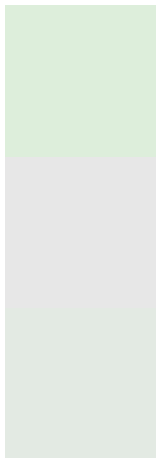
Deuteranomaly

81.4804, 0.3268, 0.3382

Tritanomaly

81.5552, 0.3024, 0.3238

Monochromacy



Original Color

81.6357, 0.3131, 0.3493

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.7226, 0.3124, 0.3364

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.6357, 0.3131, 0.3493 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(221, 238, 219)` looks like.

```
.text, #text, p{  
    color:rgb(221, 238, 219)  
}
```

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(221, 238, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 238, 219) }
```

Border

The CSS property to change the border of an element to Yxy 81.6357, 0.3131, 0.3493 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(221, 238, 219) }
```

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

```
.border{ border-color:rgb(221, 238, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 238, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 238, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 238, 219); box-shadow:4px 4px 4px 4px rgb(221, 238, 219) }
```


Background

The CSS property to change the background color of an element to Yxy 81.6357, 0.3131, 0.3493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 238, 219) }
```

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

```
.background{ background-color: rgb(221,  
238, 219) }
```

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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