

Converting Colors

$Yxy(81.6217, 0.3143, 0.3497)$

Have a look what the booklet for
Yxy(81.6217, 0.3143, 0.3497)
contains.

Yxy(81.7406, 0.3144, 0.3503)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(81.7406, 0.3144, 0.3503)

Conversions

Conversions Part 1

Format	Color
Hex	DEEEDA
RGB	222, 238, 218
RGB Percent	87%, 93%, 85%
CMY	0.1292, 0.0667, 0.1451
CMYK	0.07, 0.00, 0.08, 0.07
HSL	108°, 37%, 89%
HSV	108°, 8%, 93%
XYZ	73.3635, 81.7406, 78.2404
YIQ	230.9360, -3.1160, -9.6120

Conversions

Conversions Part 2

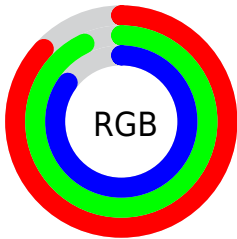
Format	Color
RYB	218, 238, 234
Decimal	14610138
CIELab	92.46, -8.85, 7.86
CIELCh	92, 11.837, 138.376
Yxy	81.7406, 0.3144, 0.3503
Android (android.graphics.Color)	4292800218 (0xFFDEEEDA)
YUV	230.9360, -6.3774, -7.8369
Hunter-Lab	90.4105, -13.3747, 11.9783

Details

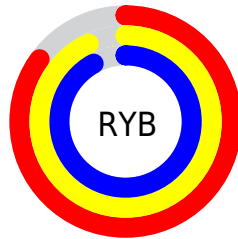
The Yxy color **81.7406, 0.3144, 0.3503** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **73.8004, 0.3108, 0.3082**, and the grayscale version is **79.9180, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.3157, 0.3149, 0.3553** is the 20% darker color. If you saturate the color by 10%, you get **77.7543, 0.3162, 0.3784**, and if you desaturate by 10%, it is **86.2504, 0.3124, 0.3252**.

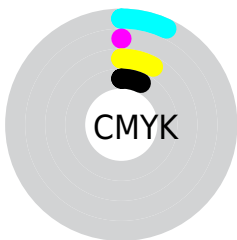
Distribution



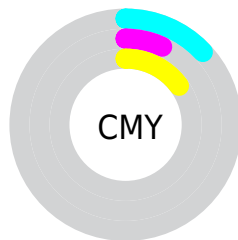
- Red (87%)
- Green (93%)
- Blue (85%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.7406, 0.3144, 0.3503 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 81.7406, 0.3144, 0.3503 by changing the saturation by 10% instead.

 81.7406, 0.3144,
0.3503

 81.7406, 0.3144,
0.3503

500.7796, 0.3137,
0.3405

 61.1517, 0.3145,
0.3525


135.8102, 0.3142,
0.3469

 44.3476, 0.3147,
0.3553


170.0597, 0.3141,
0.3456

 30.9439, 0.3149,
0.3587


209.6315, 0.3140,
0.3445

 20.5561, 0.3151,
0.3633

254.9101, 0.3139,
0.3435

 12.7999, 0.3154,
0.3694

306.2798, 0.3139,
0.3426

 7.2909, 0.3157,
0.3782

364.1250, 0.3138,

 3.6447, 0.3159,

0.3418

0.3919

428.8302, 0.3138,
0.3411

■ 1.4769, 0.3158,
0.4160

■ 0.2724, 0.1360,
0.8640

■ 81.7406, 0.3144,
0.3503

■ 81.7406, 0.3144,
0.3503

■ 77.7543, 0.3162,
0.3784

■ 86.2504, 0.3124,
0.3252

■ 74.2623, 0.3177,
0.4093

■ 89.6254, 0.3135,
0.3127

■ 71.2482, 0.3187,
0.4423

■ 68.6908, 0.3190,
0.4763

■ 66.5672, 0.3184,
0.5096

■ 64.8524, 0.3168,
0.5400

■ 63.5189, 0.3141,
0.5651

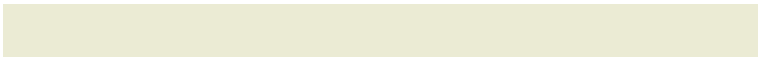
■ 62.5353, 0.3107,
0.5831

■ 61.8620, 0.3068,
0.5937

Harmonies

Analogous

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



81.7406, 0.3276, 0.3531



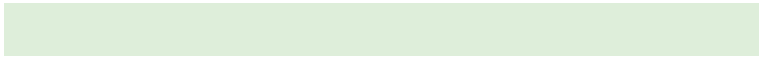
81.7406, 0.3144, 0.3503



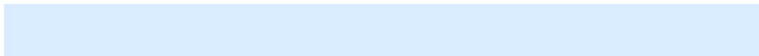
81.7406, 0.3009, 0.3414

Triad

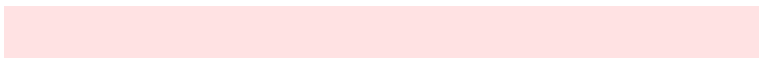
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.7406, 0.3144, 0.3503



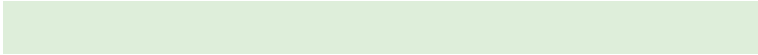
81.7406, 0.2889, 0.3086



81.7406, 0.3351, 0.3283

Complementary

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



81.7406, 0.3144, 0.3503



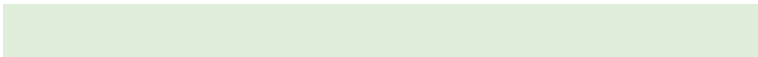
73.8004, 0.3108, 0.3082

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.



81.7406, 0.3243, 0.3171



81.7406, 0.3144, 0.3503



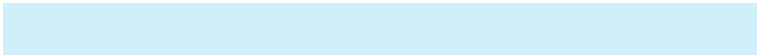
81.7406, 0.2976, 0.3058

Square

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



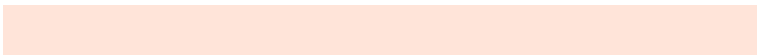
81.7406, 0.3144, 0.3503



81.7406, 0.2864, 0.3170



81.7406, 0.3106, 0.3089



81.7406, 0.3398, 0.3401

Rectangle

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



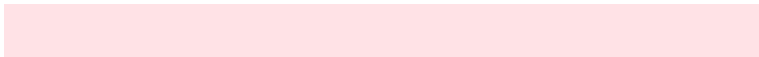
81.7406, 0.3144, 0.3503



81.7406, 0.2936, 0.3333



81.7406, 0.3106, 0.3089



81.7406, 0.3321, 0.3244

Sweetspot

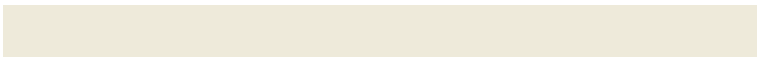
The Sweet Spot groups the original color and five complimentary colors.



81.7441, 0.3144, 0.3503



98.3779, 0.3133, 0.3364



81.8915, 0.3256, 0.3452



20.9661, 0.3135, 0.3384



0.0000, 0.0000, 0.0000



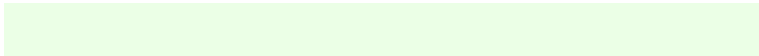
21.4041, 0.3127, 0.3290

Same Dimension

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



81.7441, 0.3144, 0.3503



94.8090, 0.3147, 0.3547



81.4148, 0.3083, 0.3443



17.8103, 0.3146, 0.3532



34.5108, 0.3070, 0.5944



2.9116, 0.3153, 0.5879

Inverse Universe

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



73.8004, 0.3108, 0.3082



83.8307, 0.3104, 0.3041



74.1646, 0.3175, 0.3142



15.8606, 0.3106, 0.3055



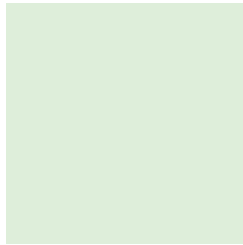
9.5978, 0.2702, 0.1262



0.8388, 0.2772, 0.1301

Previews

White Background



This preview shows how the Yxy color 81.7406, 0.3144, 0.3503 looks on a white background.

Color Contrast Check

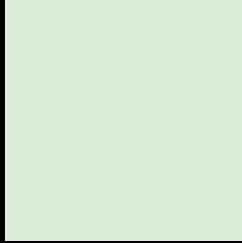
Large Text (above 18pt) WCAG AA × Fail

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 81.7406, 0.3144, 0.3503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

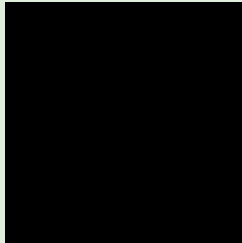
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

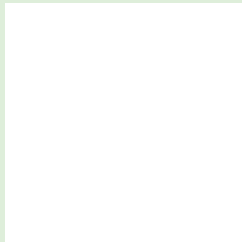
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.7406, 0.3144, 0.3503

Background



This preview shows how black text looks on a background with the Yxy color 81.7406, 0.3144, 0.3503.

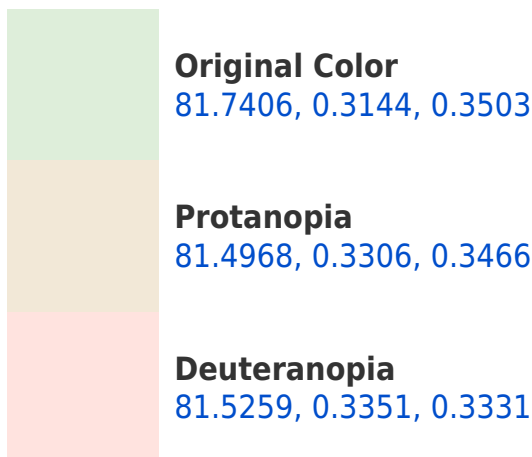


This preview shows how white text looks on a background with the Yxy color 81.7406, 0.3144, 0.3503.

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

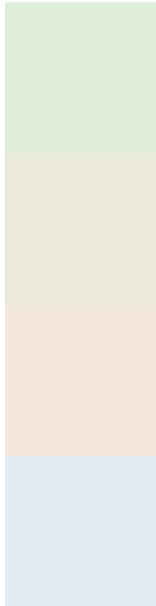




Tritanopia

81.6370, 0.2972, 0.3095

Trichromacy



Original Color

81.7406, 0.3144, 0.3503

Protanomaly

81.4657, 0.3248, 0.3478

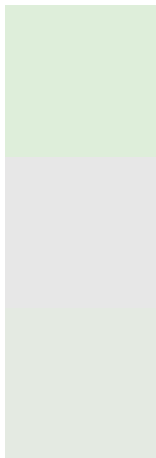
Deuteranomaly

81.4270, 0.3275, 0.3393

Tritanomaly

81.7155, 0.3031, 0.3238

Monochromacy



Original Color

81.7406, 0.3144, 0.3503

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.8306, 0.3137, 0.3374

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.7406, 0.3144, 0.3503 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(222, 238, 218)` looks like.

```
.text, #text, p{  
    color:rgb(222, 238, 218)  
}
```

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(222, 238, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 238, 218) }
```

Border

The CSS property to change the border of an element to Yxy 81.7406, 0.3144, 0.3503 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(222, 238, 218) }
```

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

```
.border{ border-color:rgb(222, 238, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 238, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 238, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 238, 218);  
box-shadow:4px 4px 4px 4px rgb(222, 238,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 81.7406, 0.3144, 0.3503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 238, 218) }
```

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

```
.background{ background-color: rgb(222,  
238, 218) }
```

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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