

Converting Colors

Yxy(81.8506, 0.3165, 0.3524)

Have a look what the booklet for
Yxy(81.8506, 0.3165, 0.3524)
contains.

Yxy(81.7949, 0.3163, 0.3524)	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(81.7949, 0.3163, 0.3524)

Conversions

Conversions Part 1

Format	Color
Hex	DFEED8
RGB	223, 238, 216
RGB Percent	87%, 93%, 85%
CMY	0.1253, 0.0667, 0.1529
CMYK	0.06, 0.00, 0.09, 0.07
HSL	101°, 39%, 89%
HSV	101°, 9%, 93%
XYZ	73.4158, 81.7949, 76.8974
YIQ	231.0070, -1.8780, -10.0220

Conversions

Conversions Part 2

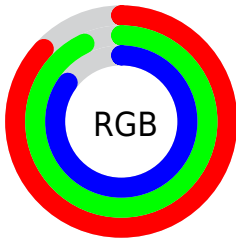
Format	Color
R_{YB}	216, 238, 231
Decimal	14675672
CIE _{Lab}	92.48, -8.84, 8.94
CIE _{LCh}	92, 12.571, 134.703
Yxy	81.7949, 0.3163, 0.3524
Android (android.graphics.Color)	4292865752 (0xFFDFEED8)
YUV	231.0070, -7.3985, -7.0221
Hunter-Lab	90.4405, -13.3722, 12.8968

Details

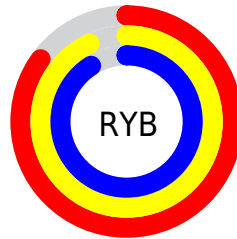
The Yxy color **81.7949, 0.3163, 0.3524** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **72.2756, 0.3088, 0.3060**, and the grayscale version is **79.9831, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.3539, 0.3173, 0.3581** is the 20% darker color. If you saturate the color by 10%, you get **78.2066, 0.3200, 0.3803**, and if you desaturate by 10%, it is **85.8140, 0.3124, 0.3272**.

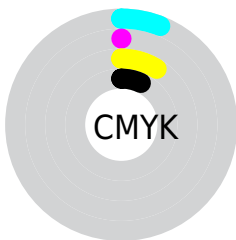
Distribution



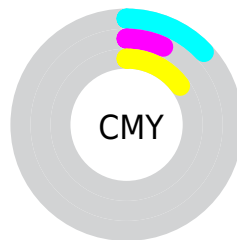
- Red (87%)
- Green (93%)
- Blue (85%)



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



- Cyan (6%)
- Magenta (0%)
- Yellow (9%)
- Black (7%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.7949, 0.3163, 0.3524 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 81.7949, 0.3163, 0.3524 by changing the saturation by 10% instead.

81.7949, 0.3163,
0.3524

81.7949, 0.3163,
0.3524

500.9614, 0.3148,
0.3416

61.1965, 0.3166,
0.3548

135.8863, 0.3158,
0.3487

44.3838, 0.3170,
0.3579

170.1482, 0.3156,
0.3472

30.9723, 0.3175,
0.3617

209.7333, 0.3154,
0.3460

20.5778, 0.3181,
0.3666

255.0260, 0.3152,
0.3449

12.8157, 0.3188,
0.3734

306.4108, 0.3151,
0.3439

7.3018, 0.3198,
0.3831

364.2720, 0.3150,

3.6515, 0.3210,

0.3431

0.3981

428.9941, 0.3149,
0.3423

■ 1.4806, 0.3227,
0.4248

■ 0.2750, 0.1420,
0.8580

■ 81.7949, 0.3163,
0.3524

■ 81.7949, 0.3163,
0.3524

■ 78.2066, 0.3200,
0.3803

■ 85.8140, 0.3124,
0.3272

■ 75.0240, 0.3234,
0.4106

■ 89.6221, 0.3135,
0.3126

■ 72.2353, 0.3261,
0.4425

■ 69.8242, 0.3278,
0.4751

■ 67.7731, 0.3283,
0.5066

■ 66.0629, 0.3272,
0.5353

■ 64.6723, 0.3246,
0.5591

■ 63.5771, 0.3204,
0.5765

■ 62.7445, 0.3153,
0.5874

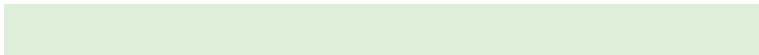
Harmonies

Analogous

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



81.7949, 0.3301, 0.3545



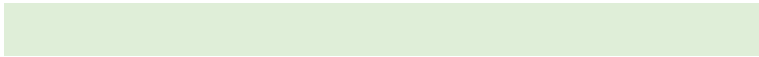
81.7949, 0.3163, 0.3524



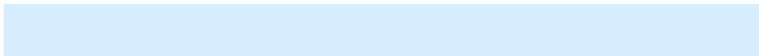
81.7949, 0.3018, 0.3436

Triad

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



81.7949, 0.3163, 0.3524



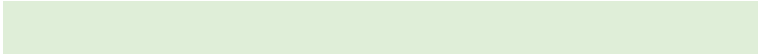
81.7949, 0.2867, 0.3082



81.7949, 0.3354, 0.3267

Complementary

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



81.7949, 0.3163, 0.3524



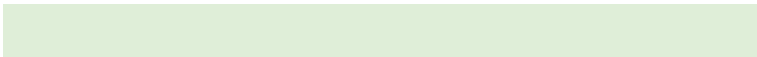
72.2756, 0.3088, 0.3060

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.



81.7949, 0.3233, 0.3150



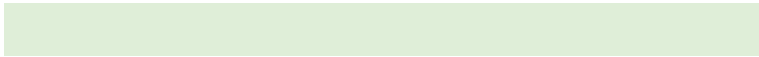
81.7949, 0.3163, 0.3524



81.7949, 0.2953, 0.3044

Square

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



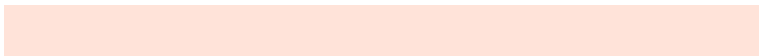
81.7949, 0.3163, 0.3524



81.7949, 0.2850, 0.3177



81.7949, 0.3086, 0.3069



81.7949, 0.3413, 0.3393

Rectangle

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



81.7949, 0.3163, 0.3524



81.7949, 0.2937, 0.3352



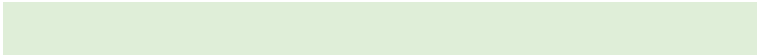
81.7949, 0.3086, 0.3069



81.7949, 0.3319, 0.3226

Sweetspot

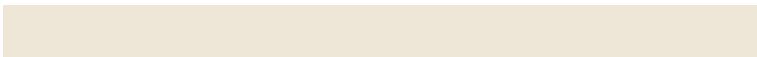
The Sweet Spot groups the original color and five complimentary colors.



81.7984, 0.3163, 0.3524



98.5443, 0.3139, 0.3364



80.0989, 0.3272, 0.3443



21.0109, 0.3142, 0.3384



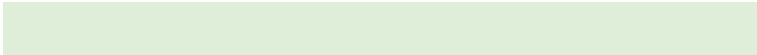
0.0000, 0.0000, 0.0000



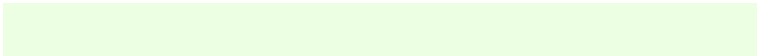
21.4041, 0.3127, 0.3290

Same Dimension

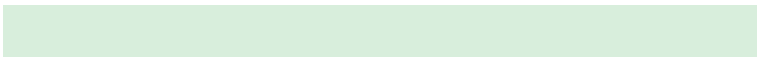
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.7984, 0.3163, 0.3524



94.8853, 0.3170, 0.3573



80.8948, 0.3094, 0.3487



17.9021, 0.3164, 0.3531



35.0394, 0.3160, 0.5873



2.9664, 0.3258, 0.5795

Inverse Universe

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



72.2756, 0.3088, 0.3060



81.7261, 0.3079, 0.3013



73.2570, 0.3162, 0.3101



15.7628, 0.3087, 0.3054



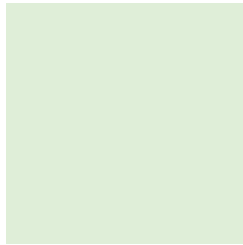
7.7872, 0.2414, 0.1104



0.7010, 0.2521, 0.1162

Previews

White Background



This preview shows how the Yxy color 81.7949, 0.3163, 0.3524 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 81.7949, 0.3163, 0.3524 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

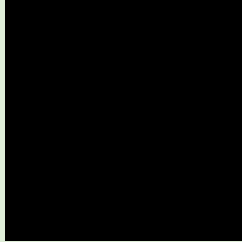
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

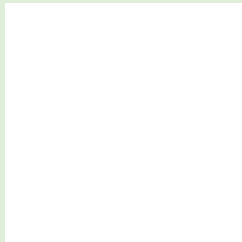
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.7949, 0.3163, 0.3524

Background



This preview shows how black text looks on a background with the Yxy color 81.7949, 0.3163, 0.3524.

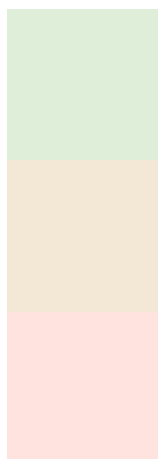


This preview shows how white text looks on a background with the Yxy color 81.7949, 0.3163, 0.3524.

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

81.7949, 0.3163, 0.3524

Protanopia

81.3946, 0.3319, 0.3486

Deuteranopia

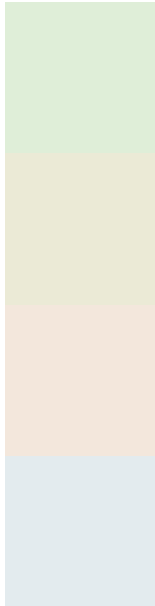
81.4721, 0.3358, 0.3341



Tritanopia

81.9009, 0.2991, 0.3106

Trichromacy



Original Color

81.7949, 0.3163, 0.3524

Protanomaly

81.3628, 0.3261, 0.3499

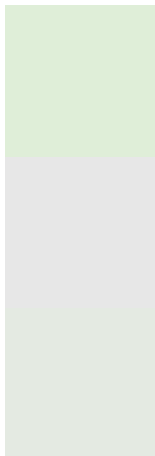
Deuteranomaly

81.3738, 0.3281, 0.3403

Tritanomaly

81.9206, 0.3056, 0.3259

Monochromacy



Original Color

81.7949, 0.3163, 0.3524

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 81.7949, 0.3163, 0.3524 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(223, 238, 216)` looks like.

```
.text, #text, p{  
    color:rgb(223, 238, 216)  
}
```

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(223, 238, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 238, 216) }
```

Border

The CSS property to change the border of an element to Yxy 81.7949, 0.3163, 0.3524 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(223, 238, 216) }
```

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

```
.border{ border-color:rgb(223, 238, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 238, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 238, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 238, 216);  
box-shadow:4px 4px 4px 4px rgb(223, 238,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 81.7949, 0.3163, 0.3524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 238, 216) }
```

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

```
.background{ background-color: rgb(223,  
238, 216) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor