

Converting Colors

$Yxy(81.9154, 0.3225, 0.3707)$

Have a look what the booklet for
Yxy(81.9154, 0.3225, 0.3707)
contains.

Yxy(81.8001, 0.3227, 0.3701)	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(81.8001, 0.3227, 0.3701)

Conversions

Conversions Part 1

Format	Color
Hex	DCF0CA
RGB	220, 240, 202
RGB Percent	86%, 94%, 79%
CMY	0.1374, 0.0587, 0.2079
CMYK	0.08, 0.00, 0.16, 0.06
HSL	92°, 56%, 87%
HSV	92°, 16%, 94%
XYZ	71.3237, 81.8001, 67.8978
YIQ	229.6880, 0.2780, -16.0580

Conversions

Conversions Part 2

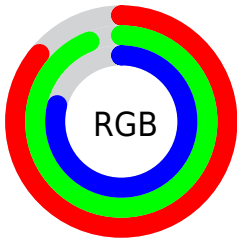
Format	Color
R_{YB}	202, 240, 222
Decimal	14479562
CIE _{Lab}	92.49, -13.25, 16.18
CIE _{LCh}	92, 20.913, 129.325
Y _{xy}	81.8001, 0.3227, 0.3701
Android (android.graphics.Color)	4292669642 (0xFFDC _{F0CA})
Y _{UV}	229.6880, -13.6502, -8.4964
Hunter-Lab	90.4434, -17.5109, 18.8001

Details

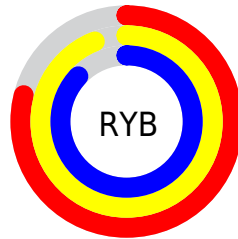
The Yxy color **81.8001, 0.3227, 0.3701** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **64.0657, 0.3013, 0.2881**, and the grayscale version is **78.9866, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.4184, 0.3248, 0.3796** is the 20% darker color. If you saturate the color by 10%, you get **78.8525, 0.3287, 0.3987**, and if you desaturate by 10%, it is **85.0813, 0.3164, 0.3435**.

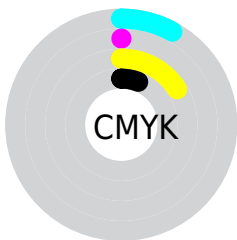
Distribution



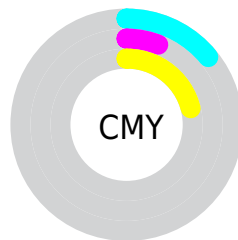
- Red (86%)
- Green (94%)
- Blue (79%)



- Red (79%)
- Yellow (94%)
- Blue (87%)



- Cyan (8%)
- Magenta (0%)
- Yellow (16%)
- Black (6%)



- Cyan (14%)
- Magenta (6%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.8001, 0.3227, 0.3701 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 81.8001, 0.3227, 0.3701 by changing the saturation by 10% instead.

81.8001, 0.3227,
0.3701

81.8001, 0.3227,
0.3701

500.9788, 0.3184,
0.3511

61.2008, 0.3236,
0.3745

135.8936, 0.3213,
0.3635

44.3872, 0.3247,
0.3798

170.1566, 0.3207,
0.3609

30.9750, 0.3260,
0.3867

209.7430, 0.3202,
0.3587

20.5798, 0.3276,
0.3956

255.0371, 0.3197,
0.3568

12.8172, 0.3296,
0.4077

306.4233, 0.3194,
0.3551

7.3028, 0.3320,
0.4252

364.2861, 0.3190,

3.6522, 0.3348,

0.3536

0.4522

429.0098, 0.3187,
0.3522

1.4810, 0.3501,
0.5188

0.2753, 0.0000,
1.0000

81.8001, 0.3227,
0.3701

81.8001, 0.3227,
0.3701

78.8525, 0.3287,
0.3987

85.0813, 0.3164,
0.3435

76.2164, 0.3342,
0.4287

88.6964, 0.3101,
0.3192

73.8832, 0.3387,
0.4593

90.8117, 0.3134,
0.3146

71.8397, 0.3417,
0.4891

■ 70.0717, 0.3430,
0.5166

■ 68.5633, 0.3421,
0.5402

■ 67.2966, 0.3391,
0.5585

■ 66.2500, 0.3341,
0.5708

■ 65.8676, 0.3318,
0.5748

Harmonies

Analogous

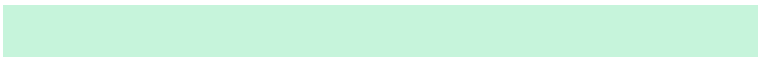
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.8001, 0.3448, 0.3708



81.8001, 0.3227, 0.3701



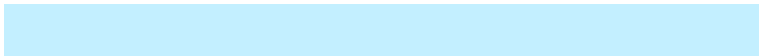
81.8001, 0.2985, 0.3570

Triad

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



81.8001, 0.3227, 0.3701



81.8001, 0.2686, 0.2964



81.8001, 0.3476, 0.3213

Complementary

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



81.8001, 0.3227, 0.3701



64.0657, 0.3013, 0.2881

Split Complementary

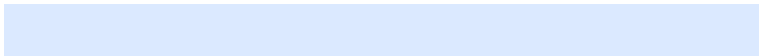
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.8001, 0.3259, 0.3032



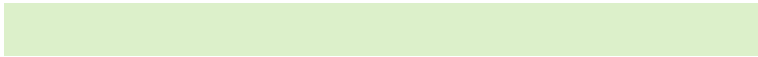
81.8001, 0.3227, 0.3701



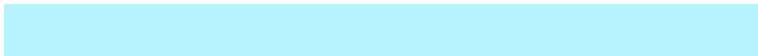
81.8001, 0.2806, 0.2889

Square

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



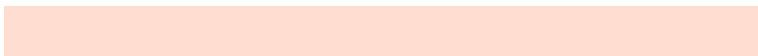
81.8001, 0.3227, 0.3701



81.8001, 0.2679, 0.3133



81.8001, 0.3013, 0.2915



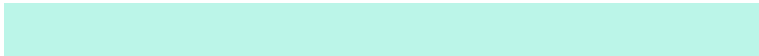
81.8001, 0.3597, 0.3418

Rectangle

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



81.8001, 0.3227, 0.3701



81.8001, 0.2844, 0.3433



81.8001, 0.3013, 0.2915



81.8001, 0.3411, 0.3148

Sweetspot

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



81.8036, 0.3227, 0.3701



97.9522, 0.3159, 0.3414



74.8425, 0.3394, 0.3498



20.9059, 0.3163, 0.3432



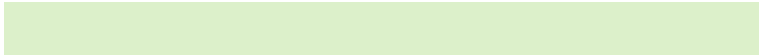
0.0000, 0.0000, 0.0000



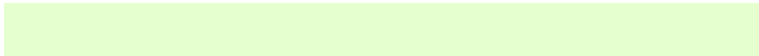
21.4041, 0.3127, 0.3290

Same Dimension

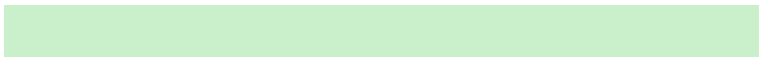
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.8036, 0.3227, 0.3701



92.7329, 0.3247, 0.3791



79.1803, 0.3103, 0.3709



18.0224, 0.3187, 0.3529



36.1281, 0.3330, 0.5738



3.0643, 0.3431, 0.5658

Inverse Universe

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



64.0657, 0.3013, 0.2881



68.8028, 0.2986, 0.2793



67.0186, 0.3150, 0.2904



15.6392, 0.3062, 0.3052



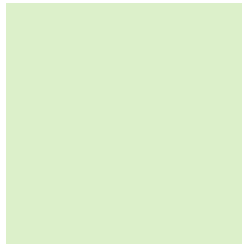
5.9784, 0.2079, 0.0919



0.5565, 0.2217, 0.0995

Previews

White Background



This preview shows how the Yxy color 81.8001, 0.3227, 0.3701 looks on a white background.

Color Contrast Check

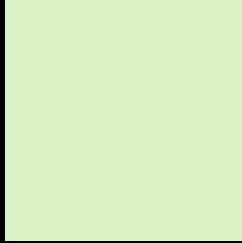
Large Text (above 18pt) WCAG AA × Fail

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 81.8001, 0.3227, 0.3701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

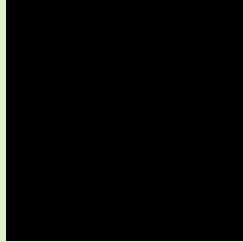
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

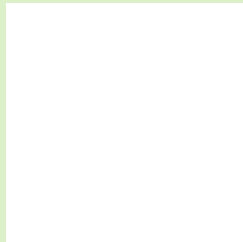
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.8001, 0.3227, 0.3701

Background



This preview shows how black text looks on a background with the Yxy color 81.8001, 0.3227, 0.3701.

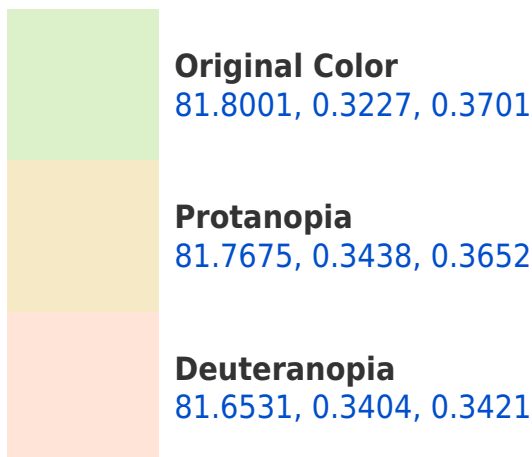


This preview shows how white text looks on a background with the Yxy color 81.8001, 0.3227, 0.3701.

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

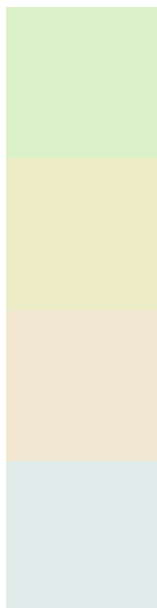




Tritanopia

81.6370, 0.2972, 0.3095

Trichromacy



Original Color

81.8001, 0.3227, 0.3701

Protanomaly

81.9473, 0.3362, 0.3679

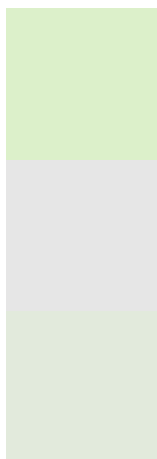
Deuteranomaly

81.2436, 0.3339, 0.3518

Tritanomaly

81.7787, 0.3060, 0.3311

Monochromacy



Original Color

81.8001, 0.3227, 0.3701

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

80.1817, 0.3161, 0.3438

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.8001, 0.3227, 0.3701 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, 240, 202)` looks like.

```
.text, #text, p{  
    color:rgb(220, 240, 202)  
}
```

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, 240, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 240, 202) }
```

Border

The CSS property to change the border of an element to Yxy 81.8001, 0.3227, 0.3701 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, 240, 202) }
```

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

```
.border{ border-color:rgb(220, 240, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 240, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 240, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 240, 202);  
box-shadow:4px 4px 4px 4px rgb(220, 240,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 81.8001, 0.3227, 0.3701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 240, 202) }
```

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

```
.background{ background-color: rgb(220,  
240, 202) }
```

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