

# Converting Colors

Yxy(82.7563, 0.3150, 0.3636)

Have a look what the booklet for  
Yxy(82.7563, 0.3150, 0.3636)  
contains.

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# Color

**Yxy(82.7563, 0.3150, 0.3636)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8F2D2
RGB	216, 242, 210
RGB Percent	85%, 95%, 82%
CMY	0.1531, 0.0509, 0.1766
CMYK	0.11, 0.00, 0.13, 0.05
HSL	109°, 55%, 89%
HSV	109°, 13%, 95%
XYZ	71.6948, 82.7563, 73.1515
YIQ	230.5780, -5.2240, -15.4640

# Conversions

## Conversions Part 2

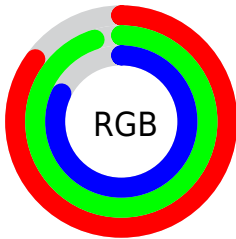
Format	Color
R <sub>Y</sub> B	210, 242, 236
Decimal	14217938
CIE Lab	92.91, -14.28, 12.61
CIE LCh	93, 19.048, 138.566
Yxy	82.7563, 0.3150, 0.3636
Android (android.graphics.Color)	4292408018 (0xFFD8F2D2)
YUV	230.5780, -10.1450, -12.7849
Hunter-Lab	90.9705, -18.5206, 16.0029

# Details

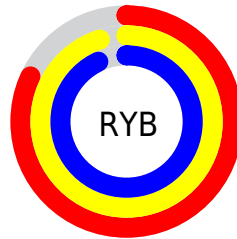
The Yxy color **82.7563, 0.3150, 0.3636** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **70.3301, 0.3099, 0.2959**, and the grayscale version is **79.6583, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.0614, 0.3157, 0.3726** is the 20% darker color. If you saturate the color by 10%, you get **78.8246, 0.3165, 0.3932**, and if you desaturate by 10%, it is **87.2362, 0.3133, 0.3370**.

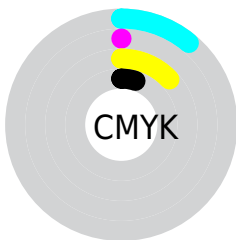
# Distribution



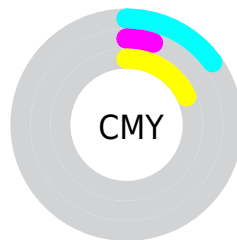
- Red (85%)
- Green (95%)
- Blue (82%)



- Red (82%)
- Yellow (95%)
- Blue (93%)



- Cyan (11%)
- Magenta (0%)
- Yellow (13%)
- Black (5%)




- Cyan (15%)
- Magenta (5%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.7563, 0.3150, 0.3636 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 82.7563, 0.3150, 0.3636 by changing the saturation by 10% instead.




 82.7563, 0.3150,  
0.3636

 82.7563, 0.3150,  
0.3636

504.1740, 0.3141,  
0.3476

 61.9891, 0.3151,  
0.3673

137.2341, 0.3147,  
0.3580

 45.0239, 0.3153,  
0.3718


171.7135, 0.3146,  
0.3559

 31.4763, 0.3155,  
0.3775

211.5324, 0.3145,  
0.3540

 20.9618, 0.3156,  
0.3850

257.0753, 0.3144,  
0.3524

 13.0961, 0.3157,  
0.3952

308.7265, 0.3144,  
0.3510

 7.4947, 0.3156,  
0.4098

366.8704, 0.3143,

 3.7734, 0.3149,

0.3497

0.4327

431.8914, 0.3142,  
0.3486

■ 1.5476, 0.3148,  
0.4772

■ 0.3219, 0.0000,  
1.0000

■ 82.7563, 0.3150,  
0.3636

■ 82.7563, 0.3150,  
0.3636

■ 78.8246, 0.3165,  
0.3932

■ 87.2362, 0.3133,  
0.3370

■ 75.4098, 0.3175,  
0.4254

■ 91.9933, 0.3133,  
0.3166

■ 72.4933, 0.3180,  
0.4593

■ 70.0512, 0.3177,  
0.4934

■ 68.0579, 0.3165,  
0.5257

■ 66.4850, 0.3144,  
0.5539

■ 65.3009, 0.3114,  
0.5758

■ 64.4689, 0.3078,  
0.5900

■ 64.0775, 0.3054,  
0.5957

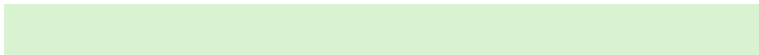
# Harmonies

## Analogous

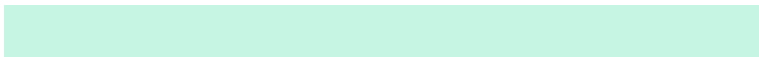
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.7563, 0.3363, 0.3679



82.7563, 0.3150, 0.3636



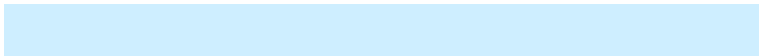
82.7563, 0.2936, 0.3489

# Triad

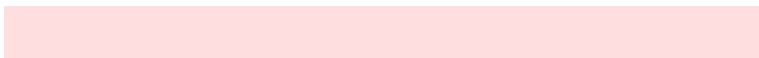
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.7563, 0.3150, 0.3636



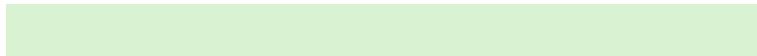
82.7563, 0.2749, 0.2963



82.7563, 0.3489, 0.3277

# Complementary

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



82.7563, 0.3150, 0.3636



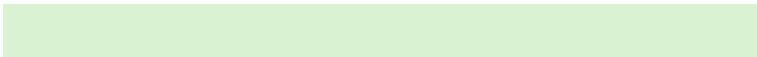
70.3301, 0.3099, 0.2959

# 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.



82.7563, 0.3314, 0.3101



82.7563, 0.3150, 0.3636



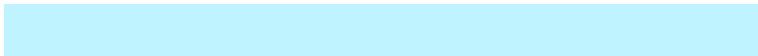
82.7563, 0.2887, 0.2922

# Square

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



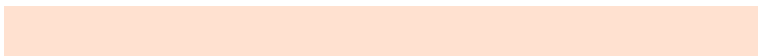
82.7563, 0.3150, 0.3636



82.7563, 0.2710, 0.3094



82.7563, 0.3092, 0.2973

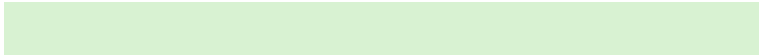


82.7563, 0.3563, 0.3463

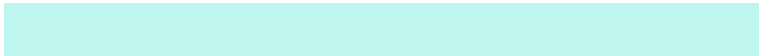


# Rectangle

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



82.7563, 0.3150, 0.3636



82.7563, 0.2821, 0.3356



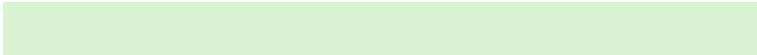
82.7563, 0.3092, 0.2973



82.7563, 0.3439, 0.3216

# Sweetspot

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



82.7599, 0.3150, 0.3636



97.8215, 0.3134, 0.3389



83.2971, 0.3334, 0.3554



20.8526, 0.3136, 0.3408



0.0000, 0.0000, 0.0000

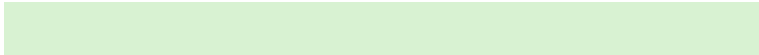


21.4041, 0.3127, 0.3290

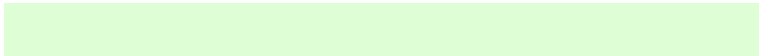


# Same Dimension

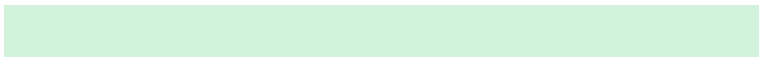
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.7599, 0.3150, 0.3636



91.8886, 0.3154, 0.3716



82.3571, 0.3054, 0.3533



17.7986, 0.3144, 0.3532



34.4611, 0.3062, 0.5951



2.9058, 0.3141, 0.5888



# Inverse Universe

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



70.3301, 0.3099, 0.2959



75.2553, 0.3092, 0.2886



70.8110, 0.3209, 0.3059



15.8732, 0.3108, 0.3055



9.8570, 0.2740, 0.1283

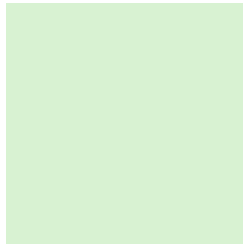


0.8582, 0.2805, 0.1319



# Previews

## White Background



This preview shows how the Yxy color 82.7563, 0.3150, 0.3636 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

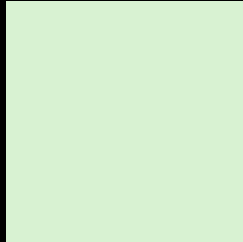
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.7563, 0.3150, 0.3636 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

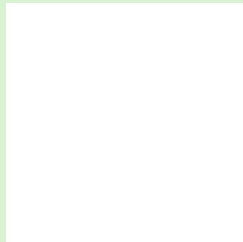
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.7563, 0.3150, 0.3636**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.7563, 0.3150, 0.3636.

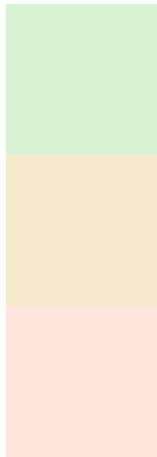


This preview shows how white text looks on a background with the Yxy color 82.7563, 0.3150, 0.3636.

# 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

82.7563, 0.3150, 0.3636

### Protanopia

82.7143, 0.3384, 0.3578

### Deuteranopia

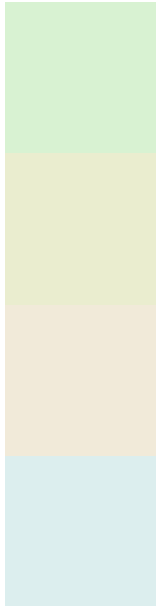
82.5191, 0.3362, 0.3371



## Tritanopia

82.8346, 0.2936, 0.3105

# Trichromacy



**Original Color**

82.7563, 0.3150, 0.3636

**Protanomaly**

82.5658, 0.3296, 0.3605

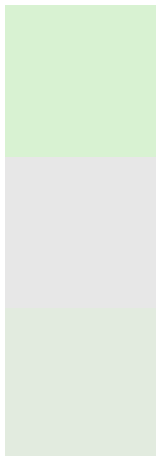
**Deuteranomaly**

82.5562, 0.3283, 0.3465

**Tritanomaly**

82.5378, 0.3010, 0.3290

# Monochromacy



**Original Color**

82.7563, 0.3150, 0.3636

**Achromatopsia**

79.9103, 0.3127, 0.3290

**Achromatomaly**

80.9131, 0.3141, 0.3417

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.7563, 0.3150, 0.3636 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(216, 242, 210)` looks like.

```
.text, #text, p{  
    color:rgb(216, 242, 210)  
}
```

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(216, 242, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 242, 210) }
```

## Border

The CSS property to change the border of an element to Yxy 82.7563, 0.3150, 0.3636 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(216, 242, 210) }
```

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

```
.border{ border-color:rgb(216, 242, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 242, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 242, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 242, 210);  
box-shadow:4px 4px 4px 4px rgb(216, 242,  
210) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.7563, 0.3150, 0.3636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 242, 210) }
```

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

```
.background{ background-color: rgb(216,  
242, 210) }
```

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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