

# Converting Colors

$Yxy(84.2819, 0.3104, 0.3494)$

Have a look what the booklet for  
Yxy(84.2819, 0.3104, 0.3494)  
contains.

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# **Color**

**Yxy(84.2041, 0.3105, 0.3491)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDF2DF
RGB	221, 242, 223
RGB Percent	87%, 95%, 87%
CMY	0.1332, 0.0510, 0.1256
CMYK	0.09, 0.00, 0.08, 0.05
HSL	126°, 45%, 91%
HSV	126°, 9%, 95%
XYZ	74.8936, 84.2041, 82.1056
YIQ	233.5550, -6.4170, -10.3610

# Conversions

## Conversions Part 2

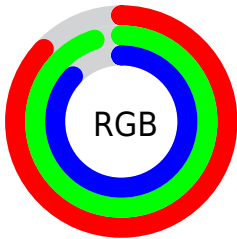
Format	Color
R <sub>Y</sub> B	221, 240, 242
Decimal	14545631
CIE Lab	93.54, -10.33, 6.82
CIE LCh	94, 12.380, 146.571
Yxy	84.2041, 0.3105, 0.3491
Android (android.graphics.Color)	4292735711 (0xFFDDDF2DF)
YUV	233.5550, -5.2036, -11.0107
Hunter-Lab	91.7628, -14.8993, 11.1837

# Details

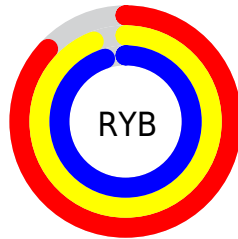
The Yxy color **84.2041, 0.3105, 0.3491** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.8972, 0.3150, 0.3097**, and the grayscale version is **81.9734, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.0520, 0.3099, 0.3537** is the 20% darker color. If you saturate the color by 10%, you get **79.5706, 0.3078, 0.3752**, and if you desaturate by 10%, it is **89.5456, 0.3130, 0.3261**.

# Distribution



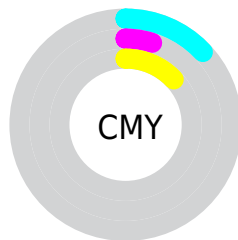
- Red (87%)
- Green (95%)
- Blue (87%)



- Red (87%)
- Yellow (94%)
- Blue (95%)



- Cyan (9%)
- Magenta (0%)
- Yellow (8%)
- Black (5%)




- Cyan (13%)
- Magenta (5%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.2041, 0.3105, 0.3491 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 84.2041, 0.3105, 0.3491 by changing the saturation by 10% instead.



 84.2041, 0.3105,  
0.3491

 84.2041, 0.3105,  
0.3491


508.9908, 0.3116,  
0.3399

 63.1840, 0.3102,  
0.3512


139.2606, 0.3109,  
0.3459

 45.9900, 0.3099,  
0.3537


174.0658, 0.3110,  
0.3447

 32.2380, 0.3095,  
0.3570


214.2348, 0.3111,  
0.3436

 21.5433, 0.3090,  
0.3612

260.1520, 0.3113,  
0.3427

 13.5217, 0.3082,  
0.3668

312.2018, 0.3113,  
0.3419

 7.7888, 0.3071,  
0.3749

370.7686, 0.3114,

 3.9601, 0.3052,

0.3411

0.3874

436.2368, 0.3115,  
0.3405

■ 1.6513, 0.3016,  
0.4090

■ 0.3918, 0.2347,  
0.7653

■ 84.2041, 0.3105,  
0.3491

■ 84.2041, 0.3105,  
0.3491

■ 79.5706, 0.3078,  
0.3752

■ 89.5456, 0.3130,  
0.3261

■ 75.6052, 0.3052,  
0.4044

■ 91.9847, 0.3133,  
0.3165

■ 72.2804, 0.3026,  
0.4362

■ 69.5623, 0.3003,  
0.4696

■ 67.4142, 0.2985,  
0.5030

■ 65.7954, 0.2973,  
0.5342

■ 64.6597, 0.2970,  
0.5609

■ 63.9526, 0.2975,  
0.5811

■ 63.5981, 0.2985,  
0.5937

# Harmonies

## Analogous

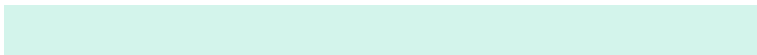
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.2041, 0.3247, 0.3539



84.2041, 0.3105, 0.3491



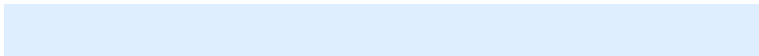
84.2041, 0.2972, 0.3385

# Triad

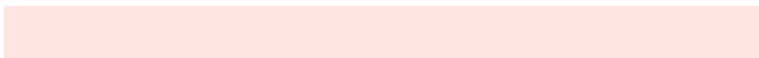
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.2041, 0.3105, 0.3491



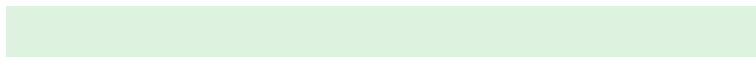
84.2041, 0.2899, 0.3065



84.2041, 0.3380, 0.3317

# Complementary

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



84.2041, 0.3105, 0.3491



76.8972, 0.3150, 0.3097

# 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.



84.2041, 0.3283, 0.3196



84.2041, 0.3105, 0.3491



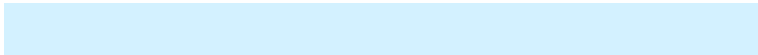
84.2041, 0.3005, 0.3052

# Square

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



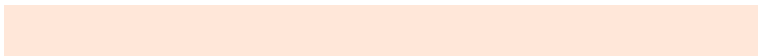
84.2041, 0.3105, 0.3491



84.2041, 0.2855, 0.3137



84.2041, 0.3145, 0.3100

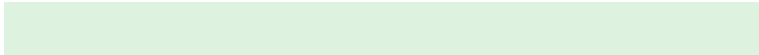


84.2041, 0.3407, 0.3434

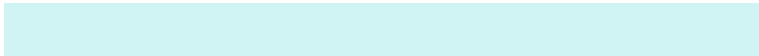


# Rectangle

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



84.2041, 0.3105, 0.3491



84.2041, 0.2905, 0.3299



84.2041, 0.3145, 0.3100



84.2041, 0.3354, 0.3276

# Sweetspot

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



84.2077, 0.3105, 0.3491



98.1392, 0.3120, 0.3357



87.2961, 0.3244, 0.3504



20.9020, 0.3118, 0.3376



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

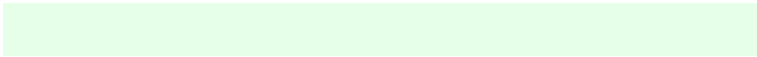


# Same Dimension

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



84.2077, 0.3105, 0.3491



94.0799, 0.3101, 0.3525



84.7789, 0.3044, 0.3381



17.6804, 0.3103, 0.3511



34.1560, 0.2982, 0.5936



2.8495, 0.2942, 0.5790



# Inverse Universe

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



76.8972, 0.3150, 0.3097



84.6432, 0.3154, 0.3066



76.3034, 0.3218, 0.3201



16.0045, 0.3152, 0.3079



12.9106, 0.3459, 0.1679

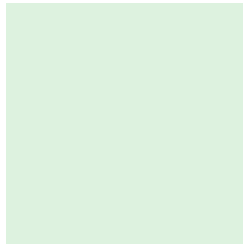


1.0814, 0.3422, 0.1659



# Previews

## White Background



This preview shows how the Yxy color 84.2041, 0.3105, 0.3491 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

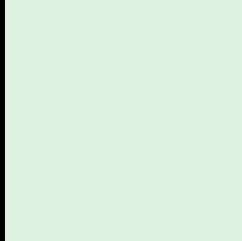
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.2041, 0.3105, 0.3491 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

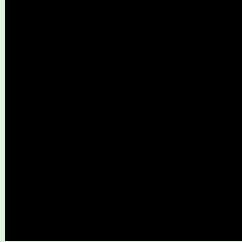
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

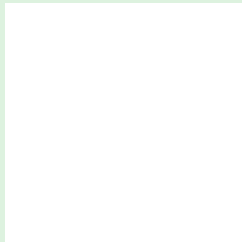
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 84.2041, 0.3105, 0.3491**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.2041, 0.3105, 0.3491.

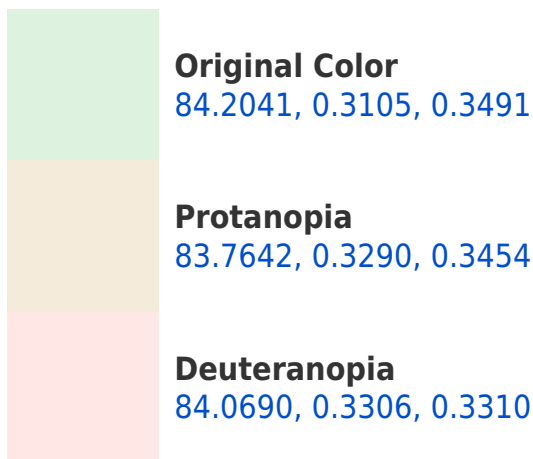


This preview shows how white text looks on a background with the Yxy color 84.2041, 0.3105, 0.3491.

# 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

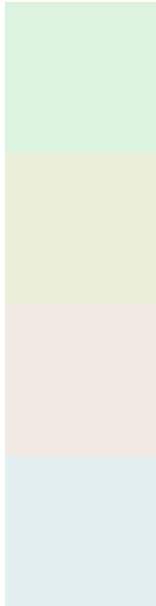




## Tritanopia

84.1193, 0.2955, 0.3107

# Trichromacy



**Original Color**

84.2041, 0.3105, 0.3491

**Protanomaly**

84.1492, 0.3226, 0.3476

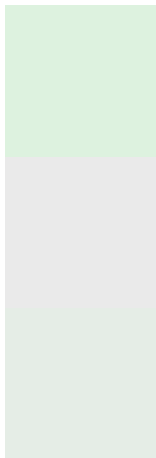
**Deuteranomaly**

84.0174, 0.3232, 0.3372

**Tritanomaly**

84.2116, 0.3012, 0.3248

# Monochromacy



**Original Color**

84.2041, 0.3105, 0.3491

**Achromatopsia**

82.2786, 0.3127, 0.3290

**Achromatomaly**

82.9396, 0.3117, 0.3363

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.2041, 0.3105, 0.3491 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, 242, 223)` looks like.

```
.text, #text, p{  
    color:rgb(221, 242, 223)  
}
```

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, 242, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 242, 223) }
```

## Border

The CSS property to change the border of an element to Yxy 84.2041, 0.3105, 0.3491 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, 242, 223) }
```

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

```
.border{ border-color:rgb(221, 242, 223) }
```

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

Here you see how a box with a 4 pixel rgb(221, 242, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 242, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 242, 223);  
box-shadow:4px 4px 4px 4px rgb(221, 242,  
223) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.2041, 0.3105, 0.3491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 242, 223) }
```

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

```
.background{ background-color: rgb(221,  
242, 223) }
```

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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