

# Converting Colors

$Yxy(78.9393, 0.3186, 0.3509)$

Have a look what the booklet for  
Yxy(78.9393, 0.3186, 0.3509)  
contains.

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# Color

**Yxy(78.7699, 0.3185, 0.3505)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFE9D5
RGB	223, 233, 213
RGB Percent	87%, 91%, 84%
CMY	0.1255, 0.0862, 0.1647
CMYK	0.04, 0.00, 0.09, 0.09
HSL	90°, 31%, 87%
HSV	90°, 9%, 91%
XYZ	71.5784, 78.7699, 74.3876
YIQ	227.7300, 0.4600, -8.3400

# Conversions

## Conversions Part 2

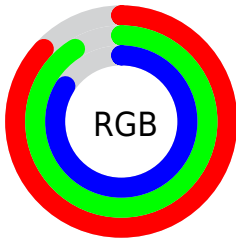
Format	Color
R <sub>Y</sub> B	213, 233, 223
Decimal	14674389
CIE Lab	91.13, -6.87, 8.56
CIE LCh	91, 10.973, 128.734
Yxy	78.7699, 0.3185, 0.3505
Android (android.graphics.Color)	4292864469 (0xFFDFE9D5)
YUV	227.7300, -7.2619, -4.1482
Hunter-Lab	88.7524, -11.3574, 12.4330

# Details

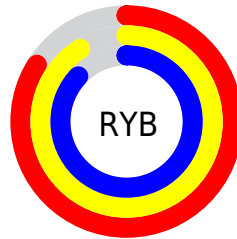
The Yxy color **78.7699, 0.3185, 0.3505** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **69.1698, 0.3065, 0.3075**, and the grayscale version is **77.4304, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.2377, 0.3203, 0.3556** is the 20% darker color. If you saturate the color by 10%, you get **75.8828, 0.3252, 0.3775**, and if you desaturate by 10%, it is **81.9617, 0.3118, 0.3256**.

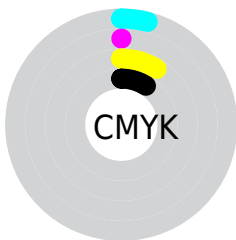
# Distribution



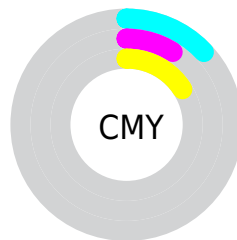
- Red (87%)
- Green (91%)
- Blue (84%)



- Red (84%)
- Yellow (91%)
- Blue (87%)



- Cyan (4%)
- Magenta (0%)
- Yellow (9%)
- Black (9%)



- Cyan (13%)
- Magenta (9%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.7699, 0.3185, 0.3505 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 78.7699, 0.3185, 0.3505 by changing the saturation by 10% instead.



■ 78.7699, 0.3185,  
0.3505

■ 78.7699, 0.3185,  
0.3505

490.7776, 0.3159,  
0.3406

■ 58.7066, 0.3191,  
0.3528

131.6349, 0.3176,  
0.3471

■ 42.3770, 0.3198,  
0.3556

165.2054, 0.3173,  
0.3457

■ 29.3966, 0.3206,  
0.3591

204.0471, 0.3170,  
0.3446

■ 19.3811, 0.3217,  
0.3638

248.5444, 0.3167,  
0.3436

■ 11.9459, 0.3231,  
0.3701

299.0817, 0.3165,  
0.3427

■ 6.7069, 0.3251,  
0.3792

356.0434, 0.3163,

■ 3.2795, 0.3279,

0.3419

419.8139, 0.3161,  
0.3412

0.3935

1.2793, 0.3340,  
0.4213

0.1251, 0.0000,  
1.0000

78.7699, 0.3185,  
0.3505

78.7699, 0.3185,  
0.3505

75.8828, 0.3252,  
0.3775

81.9617, 0.3118,  
0.3256

73.2804, 0.3315,  
0.4064

85.1566, 0.3080,  
0.3074

70.9558, 0.3372,  
0.4363

86.7626, 0.3137,  
0.3078

68.8978, 0.3418,  
0.4664

■ 67.0944, 0.3448,  
0.4952

■ 65.5327, 0.3459,  
0.5213

■ 64.1979, 0.3447,  
0.5432

■ 63.0733, 0.3414,  
0.5596

■ 62.1354, 0.3362,  
0.5705

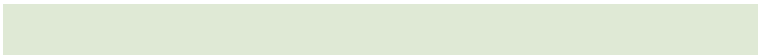
# Harmonies

## Analogous

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



78.7699, 0.3301, 0.3511



78.7699, 0.3185, 0.3505



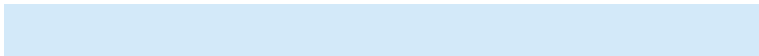
78.7699, 0.3055, 0.3438

# Triad

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



78.7699, 0.3185, 0.3505



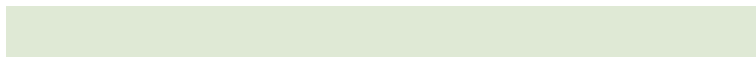
78.7699, 0.2889, 0.3119



78.7699, 0.3310, 0.3248

# Complementary

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



78.7699, 0.3185, 0.3505



69.1698, 0.3065, 0.3075

# 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.



78.7699, 0.3196, 0.3149



78.7699, 0.3185, 0.3505



78.7699, 0.2954, 0.3074

# Square

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



78.7699, 0.3185, 0.3505



78.7699, 0.2886, 0.3212



78.7699, 0.3066, 0.3086



78.7699, 0.3374, 0.3360



# Rectangle

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



78.7699, 0.3185, 0.3505



78.7699, 0.2979, 0.3368



78.7699, 0.3066, 0.3086



78.7699, 0.3276, 0.3212

# Sweetspot

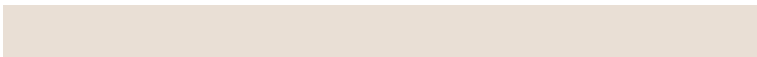
The Sweet Spot groups the original color and five complimentary colors.



78.7733, 0.3185, 0.3505



98.7973, 0.3147, 0.3364



74.9099, 0.3265, 0.3397



21.0791, 0.3153, 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.



78.7733, 0.3185, 0.3505



96.1219, 0.3195, 0.3543



77.2348, 0.3117, 0.3509



17.2313, 0.3191, 0.3528



35.2586, 0.3366, 0.5710



2.8258, 0.3470, 0.5627



# Inverse Universe

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



69.1698, 0.3065, 0.3075



82.4620, 0.3054, 0.3037



70.8021, 0.3137, 0.3080



14.9197, 0.3058, 0.3052



5.5480, 0.2027, 0.0890

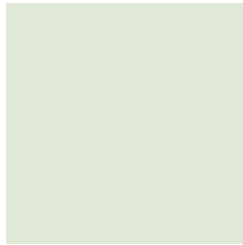


0.4929, 0.2176, 0.0973



# Previews

## White Background



This preview shows how the Yxy color 78.7699, 0.3185, 0.3505 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

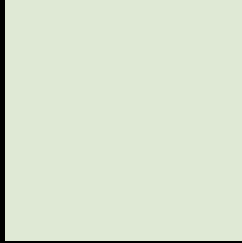
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.7699, 0.3185, 0.3505 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

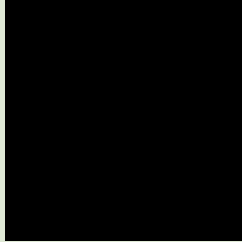
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

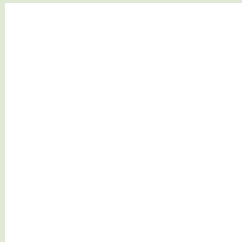
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 78.7699, 0.3185, 0.3505**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.7699, 0.3185, 0.3505.

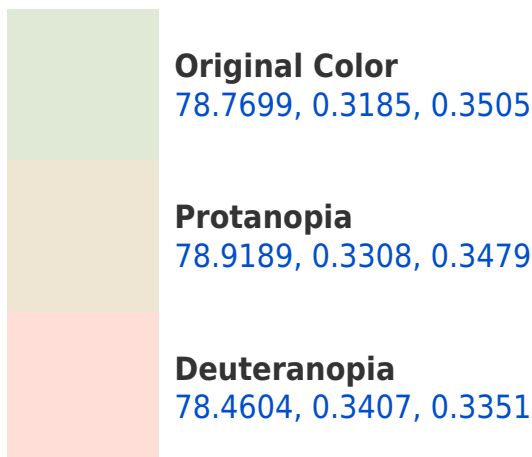


This preview shows how white text looks on a background with the Yxy color 78.7699, 0.3185, 0.3505.

# 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

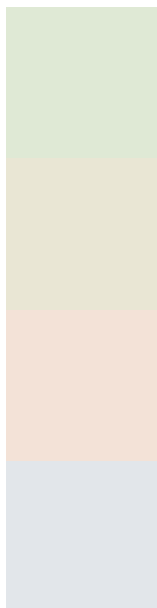




## Tritanopia

78.6346, 0.3015, 0.3104

# Trichromacy



## Original Color

78.7699, 0.3185, 0.3505

## Protanomaly

78.6707, 0.3264, 0.3480

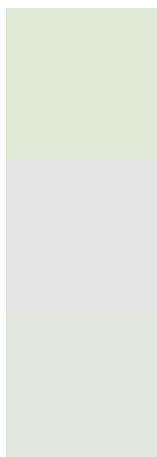
## Deuteranomaly

78.3537, 0.3320, 0.3404

## Tritanomaly

78.7029, 0.3075, 0.3248

# Monochromacy



## Original Color

78.7699, 0.3185, 0.3505

## Achromatopsia

77.5822, 0.3127, 0.3290

## Achromatomaly

78.0901, 0.3144, 0.3364

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.7699, 0.3185, 0.3505 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, 233, 213)` looks like.

```
.text, #text, p{  
    color:rgb(223, 233, 213)  
}
```

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, 233, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 233, 213) }
```

## Border

The CSS property to change the border of an element to Yxy 78.7699, 0.3185, 0.3505 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, 233, 213) }
```

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

```
.border{ border-color:rgb(223, 233, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 233, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 233, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 233, 213);  
box-shadow:4px 4px 4px 4px rgb(223, 233,  
213) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.7699, 0.3185, 0.3505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 233, 213) }
```

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

```
.background{ background-color: rgb(223,  
233, 213) }
```

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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