

# Converting Colors

$Yxy(75.8801, 0.3151, 0.3360)$

Have a look what the booklet for  
Yxy(75.8801, 0.3151, 0.3360)  
contains.

<b>Yxy(75.9528, 0.3151, 0.3365)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(75.9528, 0.3151, 0.3365)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0E3DC
RGB	224, 227, 220
RGB Percent	88%, 89%, 86%
CMY	0.1217, 0.1098, 0.1372
CMYK	0.01, 0.00, 0.03, 0.11
HSL	86°, 11%, 88%
HSV	86°, 3%, 89%
XYZ	71.1225, 75.9528, 78.6388
YIQ	225.3050, 0.4590, -2.8130

# Conversions

## Conversions Part 2

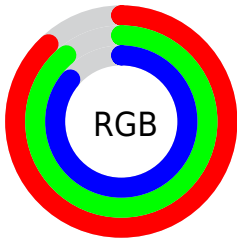
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	220, 227, 223
Decimal	14738396
CIE Lab	89.84, -2.26, 3.04
CIE LCh	90, 3.787, 126.673
Yxy	75.9528, 0.3151, 0.3365
Android (android.graphics.Color)	4292928476 (0xFFE0E3DC)
YUV	225.3050, -2.6154, -1.1445
Hunter-Lab	87.1509, -6.8430, 7.5065

# Details

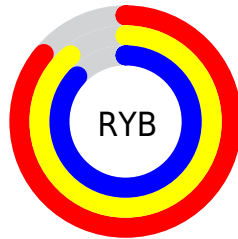
The Yxy color **75.9528, 0.3151, 0.3365** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.4462, 0.3103, 0.3215**, and the grayscale version is **75.5445, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.6567, 0.3159, 0.3388** is the 20% darker color. If you saturate the color by 10%, you get **73.2982, 0.3229, 0.3622**, and if you desaturate by 10%, it is **78.8693, 0.3074, 0.3129**.

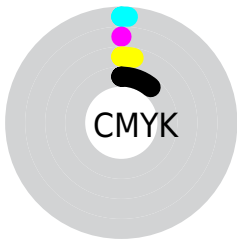
# Distribution



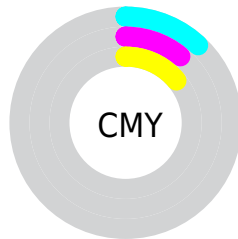
- Red (88%)
- Green (89%)
- Blue (86%)



- Red (86%)
- Yellow (89%)
- Blue (87%)



- Cyan (1%)
- Magenta (0%)
- Yellow (3%)
- Black (11%)



- Cyan (12%)
- Magenta (11%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.9528, 0.3151, 0.3365 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 75.9528, 0.3151, 0.3365 by changing the saturation by 10% instead.



■ 75.9528, 0.3151,  
0.3365

■ 75.9528, 0.3151,  
0.3365

481.1861, 0.3140,  
0.3330

■ 56.3938, 0.3153,  
0.3373

127.6602, 0.3147,  
0.3353

■ 40.5187, 0.3156,  
0.3383

160.5774, 0.3146,  
0.3348

■ 27.9432, 0.3160,  
0.3395

198.7161, 0.3145,  
0.3344

■ 18.2829, 0.3165,  
0.3411

242.4607, 0.3143,  
0.3341

■ 11.1533, 0.3172,  
0.3433

292.1956, 0.3142,  
0.3338

■ 6.1700, 0.3181,  
0.3465

348.3052, 0.3142,

■ 2.9487, 0.3196,

0.3335

0.3514

411.1739, 0.3141,  
0.3333

■ 1.1050, 0.3221,  
0.3604

■ 0.0000, 0.0000,  
0.0000

■ 75.9528, 0.3151,  
0.3365

■ 75.9528, 0.3151,  
0.3365

■ 73.2982, 0.3229,  
0.3622

■ 78.8693, 0.3074,  
0.3129

■ 70.8877, 0.3305,  
0.3897

■ 81.3556, 0.3064,  
0.3013

■ 68.7159, 0.3378,  
0.4185

■ 83.1715, 0.3131,  
0.3018

■ 66.7737, 0.3441,  
0.4478

■ 83.4254, 0.3140,  
0.3019

■ 65.0512, 0.3491,  
0.4764

■ 63.5378, 0.3523,  
0.5031

■ 62.2216, 0.3533,  
0.5262

■ 61.0891, 0.3520,  
0.5448

■ 60.1244, 0.3483,  
0.5579

# Harmonies

## Analogous

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



75.9528, 0.3190, 0.3366



75.9528, 0.3151, 0.3365



75.9528, 0.3106, 0.3343

# Triad

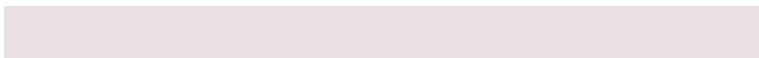
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.9528, 0.3151, 0.3365



75.9528, 0.3042, 0.3233



75.9528, 0.3189, 0.3273

# Complementary

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



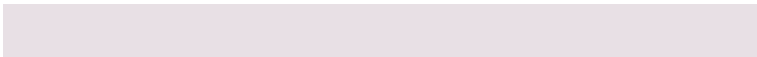
75.9528, 0.3151, 0.3365



72.4462, 0.3103, 0.3215

# Split Complementary

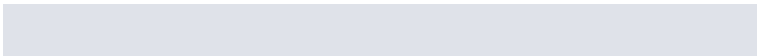
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.9528, 0.3149, 0.3238



75.9528, 0.3151, 0.3365



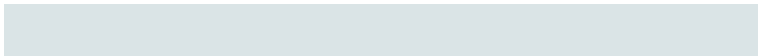
75.9528, 0.3064, 0.3215

# Square

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



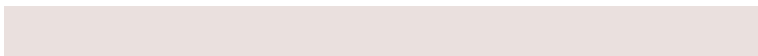
75.9528, 0.3151, 0.3365



75.9528, 0.3043, 0.3266



75.9528, 0.3103, 0.3217



75.9528, 0.3212, 0.3313



# Rectangle

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



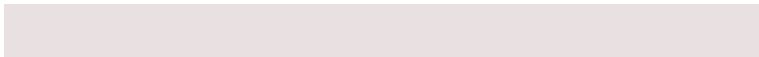
75.9528, 0.3151, 0.3365



75.9528, 0.3078, 0.3320



75.9528, 0.3103, 0.3217



75.9528, 0.3177, 0.3260

# Sweetspot

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



75.9561, 0.3151, 0.3365



99.6266, 0.3135, 0.3314



74.3058, 0.3175, 0.3323



21.3281, 0.3135, 0.3313



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

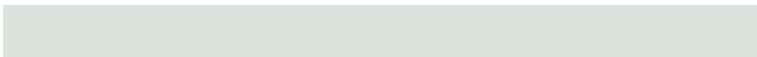
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.9561, 0.3151, 0.3365



98.5267, 0.3158, 0.3389



75.4065, 0.3127, 0.3366



16.7700, 0.3164, 0.3406



34.7886, 0.3459, 0.5636



2.6255, 0.3562, 0.5554



# Inverse Universe

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



72.4462, 0.3103, 0.3215



92.5890, 0.3095, 0.3191



73.0042, 0.3127, 0.3215



15.5849, 0.3089, 0.3174



4.8464, 0.1907, 0.0824

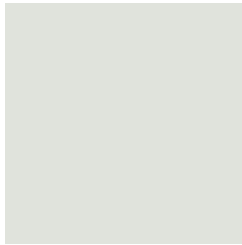


0.4123, 0.2071, 0.0914



# Previews

## White Background



This preview shows how the Yxy color 75.9528, 0.3151, 0.3365 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

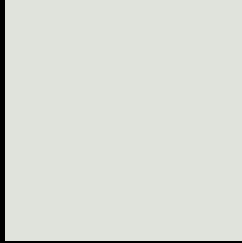
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.9528, 0.3151, 0.3365 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

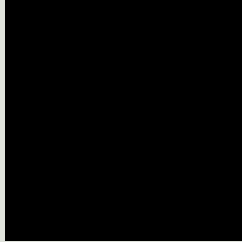
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

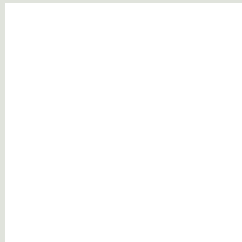
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 75.9528, 0.3151, 0.3365**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.9528, 0.3151, 0.3365.

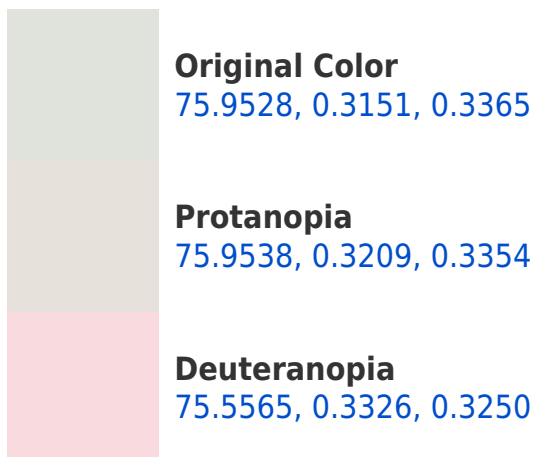


This preview shows how white text looks on a background with the Yxy color 75.9528, 0.3151, 0.3365.

# 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

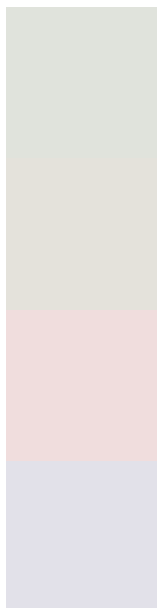




## Tritanopia

75.9931, 0.3039, 0.3112

# Trichromacy



## Original Color

75.9528, 0.3151, 0.3365

## Protanomaly

76.0012, 0.3187, 0.3365

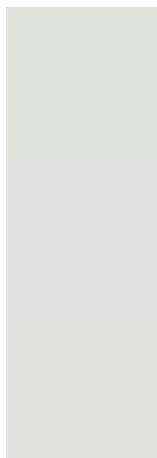
## Deuteranomaly

75.4586, 0.3264, 0.3290

## Tritanomaly

75.9024, 0.3083, 0.3205

# Monochromacy



## Original Color

75.9528, 0.3151, 0.3365

## Achromatopsia

75.2942, 0.3127, 0.3290

## Achromatomaly

75.7280, 0.3140, 0.3322

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.9528, 0.3151, 0.3365 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(224, 227, 220)` looks like.

```
.text, #text, p{  
    color:rgb(224, 227, 220)  
}
```

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(224, 227, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 227, 220) }
```

## Border

The CSS property to change the border of an element to Yxy 75.9528, 0.3151, 0.3365 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(224, 227, 220) }
```

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

```
.border{ border-color:rgb(224, 227, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 227, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 227, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 227, 220);  
box-shadow:4px 4px 4px 4px rgb(224, 227,  
220) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.9528, 0.3151, 0.3365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 227, 220) }
```

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

```
.background{ background-color: rgb(224,  
227, 220) }
```

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