

# Converting Colors

$Y_{xy}(77.6720, 0.3172, 0.3431)$

Have a look what the booklet for  
Yxy(77.6720, 0.3172, 0.3431)  
contains.

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# Color

**Yxy(77.6109, 0.3176, 0.3429)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1E6D9
RGB	225, 230, 217
RGB Percent	88%, 90%, 85%
CMY	0.1174, 0.0981, 0.1490
CMYK	0.02, 0.00, 0.06, 0.10
HSL	83°, 21%, 88%
HSV	83°, 6%, 90%
XYZ	71.8846, 77.6109, 76.8414
YIQ	227.0230, 1.1930, -5.1030

# Conversions

## Conversions Part 2

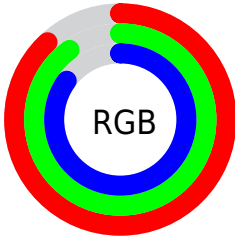
Format	Color
R <sub>Y</sub> B	217, 230, 222
Decimal	14804697
CIE Lab	90.60, -3.94, 5.73
CIE LCh	91, 6.958, 124.511
Yxy	77.6109, 0.3176, 0.3429
Android (android.graphics.Color)	4292994777 (0xFFE1E6D9)
YUV	227.0230, -4.9413, -1.7742
Hunter-Lab	88.0970, -8.5191, 9.9531

# Details

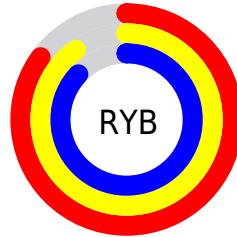
The Yxy color **77.6109, 0.3176, 0.3429** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.8636, 0.3076, 0.3150**, and the grayscale version is **76.8767, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.8146, 0.3190, 0.3471** is the 20% darker color. If you saturate the color by 10%, you get **75.1285, 0.3263, 0.3690**, and if you desaturate by 10%, it is **80.3389, 0.3090, 0.3187**.

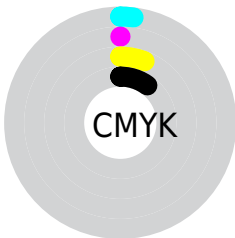
# Distribution



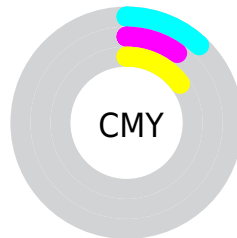
- Red (88%)
- Green (90%)
- Blue (85%)



- Red (85%)
- Yellow (90%)
- Blue (87%)



- Cyan (2%)
- Magenta (0%)
- Yellow (6%)
- Black (10%)



- Cyan (12%)
- Magenta (10%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.6109, 0.3176, 0.3429 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 77.6109, 0.3176, 0.3429 by changing the saturation by 10% instead.



■ 77.6109, 0.3176,  
0.3429

■ 77.6109, 0.3176,  
0.3429

486.8444, 0.3154,  
0.3365

■ 57.7544, 0.3181,  
0.3444

130.0015, 0.3168,  
0.3407

■ 41.6112, 0.3187,  
0.3462

163.3043, 0.3165,  
0.3398

■ 28.7970, 0.3195,  
0.3484

201.8581, 0.3163,  
0.3391

■ 18.9273, 0.3204,  
0.3514

246.0472, 0.3161,  
0.3384

■ 11.6178, 0.3218,  
0.3555

296.2559, 0.3159,  
0.3379

■ 6.4840, 0.3236,  
0.3613

352.8688, 0.3157,

■ 3.1415, 0.3264,

0.3374

416.2702, 0.3155,  
0.3369

0.3705

1.2061, 0.3313,  
0.3871

0.0667, 0.0000,  
1.0000

77.6109, 0.3176,  
0.3429

77.6109, 0.3176,  
0.3429

75.1285, 0.3263,  
0.3690

80.3389, 0.3090,  
0.3187

72.8737, 0.3348,  
0.3966

82.7835, 0.3055,  
0.3042

70.8414, 0.3428,  
0.4251

84.3740, 0.3114,  
0.3046

69.0226, 0.3499,  
0.4535

85.0684, 0.3138,  
0.3048

■ 67.4076, 0.3554,  
0.4808

■ 65.9856, 0.3589,  
0.5057

■ 64.7448, 0.3602,  
0.5267

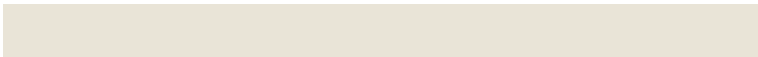
■ 63.6712, 0.3589,  
0.5429

■ 62.7482, 0.3554,  
0.5539

# Harmonies

## Analogous

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



77.6109, 0.3246, 0.3428



77.6109, 0.3176, 0.3429



77.6109, 0.3093, 0.3392

# Triad

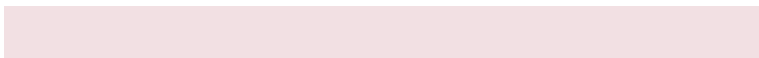
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.6109, 0.3176, 0.3429



77.6109, 0.2972, 0.3188



77.6109, 0.3235, 0.3254

# Complementary

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



77.6109, 0.3176, 0.3429



70.8636, 0.3076, 0.3150

# 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.



77.6109, 0.3160, 0.3192



77.6109, 0.3176, 0.3429



77.6109, 0.3008, 0.3154

# Square

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



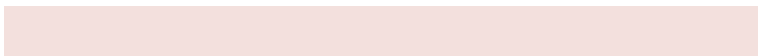
77.6109, 0.3176, 0.3429



77.6109, 0.2976, 0.3251



77.6109, 0.3077, 0.3155



77.6109, 0.3281, 0.3326



# Rectangle

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



77.6109, 0.3176, 0.3429



77.6109, 0.3042, 0.3350



77.6109, 0.3077, 0.3155



77.6109, 0.3212, 0.3231

# Sweetspot

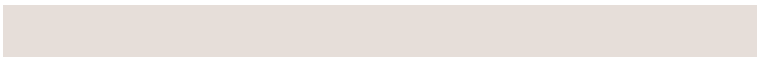
The Sweet Spot groups the original color and five complimentary colors.



77.6143, 0.3176, 0.3429



99.3097, 0.3144, 0.3339



73.9510, 0.3217, 0.3341



21.2636, 0.3144, 0.3336



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.



77.6143, 0.3176, 0.3429



97.6378, 0.3188, 0.3464



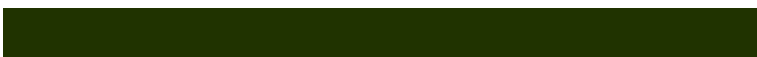
76.6181, 0.3132, 0.3431



16.6324, 0.3193, 0.3478



35.3927, 0.3544, 0.5568



2.6683, 0.3638, 0.5493



# Inverse Universe

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



70.8636, 0.3076, 0.3150



87.0979, 0.3063, 0.3114



71.8787, 0.3121, 0.3152



14.7069, 0.3058, 0.3101



4.4604, 0.1816, 0.0774

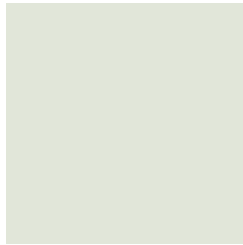


0.3816, 0.1980, 0.0864



# Previews

## White Background



This preview shows how the Yxy color 77.6109, 0.3176, 0.3429 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 77.6109, 0.3176, 0.3429 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

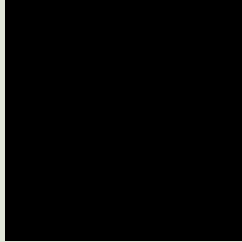
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

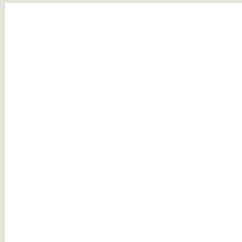
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 77.6109, 0.3176, 0.3429**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.6109, 0.3176, 0.3429.

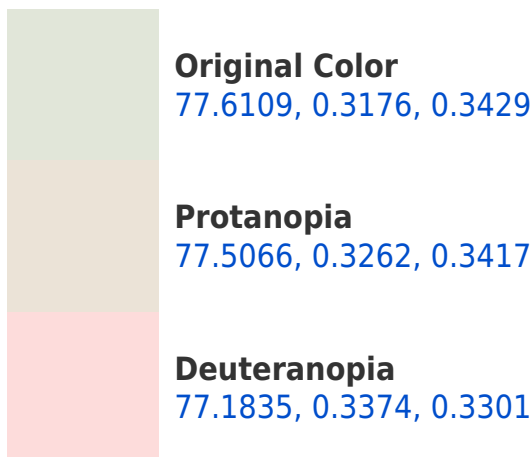


This preview shows how white text looks on a background with the Yxy color 77.6109, 0.3176, 0.3429.

# 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

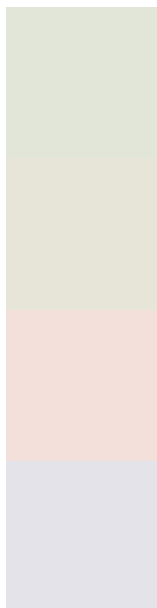




## Tritanopia

77.5824, 0.3034, 0.3103

# Trichromacy



## Original Color

77.6109, 0.3176, 0.3429

## Protanomaly

77.4336, 0.3226, 0.3417

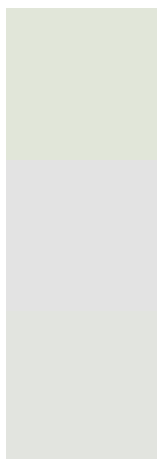
## Deuteranomaly

77.4280, 0.3302, 0.3353

## Tritanomaly

77.3727, 0.3089, 0.3217

# Monochromacy



## Original Color

77.6109, 0.3176, 0.3429

## Achromatopsia

76.8151, 0.3127, 0.3290

## Achromatomaly

76.9833, 0.3145, 0.3343

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.6109, 0.3176, 0.3429 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(225, 230, 217)` looks like.

```
.text, #text, p{  
    color:rgb(225, 230, 217)  
}
```

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(225, 230, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 230, 217) }
```

## Border

The CSS property to change the border of an element to Yxy 77.6109, 0.3176, 0.3429 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(225, 230, 217) }
```

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

```
.border{ border-color:rgb(225, 230, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 230, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 230, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 230, 217);  
box-shadow:4px 4px 4px 4px rgb(225, 230,  
217) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.6109, 0.3176, 0.3429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 230, 217) }
```

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

```
.background{ background-color: rgb(225,  
230, 217) }
```

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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