

# Converting Colors

$Yxy(78.7697, 0.3130, 0.3292)$

Have a look what the booklet for  
Yxy(78.7697, 0.3130, 0.3292)  
contains.

<b>Yxy(79.0738, 0.3133, 0.3300)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	23
<b>Color Blindness Simulation</b> .....	26
<b>CSS Examples</b> .....	29

# Color

**Yxy(79.0738, 0.3133, 0.3300)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6E6E5
RGB	230, 230, 229
RGB Percent	90%, 90%, 90%
CMY	0.0981, 0.0980, 0.1018
CMYK	0.00, 0.00, 0.00, 0.10
HSL	62°, 2%, 90%
HSV	62°, 0%, 90%
XYZ	75.0722, 79.0738, 85.4716
YIQ	229.8860, 0.3210, -0.3110

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	229, 230, 229
Decimal	15132389
CIE Lab	91.27, -0.17, 0.45
CIE LCh	91, 0.482, 111.220
Yxy	79.0738, 0.3133, 0.3300
Android (android.graphics.Color)	4293322469 (0xFFE6E6E5)
YUV	229.8860, -0.4368, 0.1000
Hunter-Lab	88.9235, -4.9203, 5.2580

# Details

The Yxy color **79.0738, 0.3133, 0.3300** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.4530, 0.3121, 0.3280**, and the grayscale version is **79.0467, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.8299, 0.3135, 0.3304** is the 20% darker color. If you saturate the color by 10%, you get **77.7447, 0.3276, 0.3547**, and if you desaturate by 10%, it is **80.5805, 0.2996, 0.3065**.

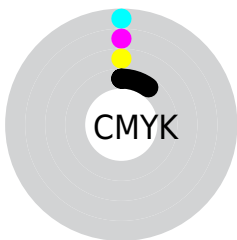
# Distribution



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



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



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



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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.0738, 0.3133, 0.3300 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 79.0738, 0.3133, 0.3300 by changing the saturation by 10% instead.



■ 79.0738, 0.3133,  
0.3300

■ 79.0738, 0.3133,  
0.3300

491.8060, 0.3130,  
0.3296

■ 58.9565, 0.3134,  
0.3301

132.0628, 0.3132,  
0.3298

■ 42.5781, 0.3134,  
0.3302

165.7032, 0.3132,  
0.3298

■ 29.5542, 0.3135,  
0.3304

204.6201, 0.3131,  
0.3297

■ 19.5005, 0.3136,  
0.3306

249.1979, 0.3131,  
0.3297

■ 12.0325, 0.3138,  
0.3309

299.8210, 0.3131,  
0.3296

■ 6.7658, 0.3140,  
0.3312

356.8738, 0.3131,

■ 3.3161, 0.3144,

0.3296

0.3318

420.7407, 0.3131,  
0.3296

■ 1.2989, 0.3150,  
0.3329

■ 0.1403, 0.3304,  
0.3591

■ 79.0738, 0.3133,  
0.3300

■ 79.0738, 0.3133,  
0.3300

■ 77.7447, 0.3276,  
0.3547

■ 80.5805, 0.2996,  
0.3065

■ 76.5764, 0.3422,  
0.3800


■ 80.9013, 0.2983,  
0.3037


■ 75.5652, 0.3568,  
0.4053


■ 81.0343, 0.2989,  
0.3037


■ 74.7036, 0.3706,  
0.4297


■ 81.1678, 0.2994,  
0.3037

 73.9833, 0.3833,  
0.4522

 81.3020, 0.2999,  
0.3038


 73.3953, 0.3941,  
0.4719


 81.4368, 0.3004,  
0.3038

 72.9295, 0.4027,  
0.4878

 81.5722, 0.3009,  
0.3039

 72.5744, 0.4087,  
0.4994

 81.7081, 0.3015,  
0.3039

 72.3162, 0.4120,  
0.5066

 81.8447, 0.3020,  
0.3039

# Harmonies

## Analogous

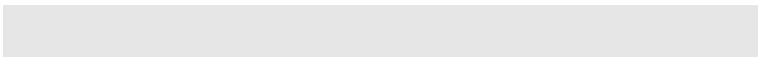
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.0738, 0.3137, 0.3299



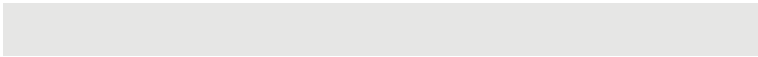
79.0738, 0.3133, 0.3300



79.0738, 0.3128, 0.3299

# Triad

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



79.0738, 0.3133, 0.3300



79.0738, 0.3116, 0.3285



79.0738, 0.3133, 0.3286

# Complementary

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



79.0738, 0.3133, 0.3300



78.4530, 0.3121, 0.3280

# 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.



79.0738, 0.3127, 0.3282



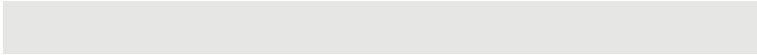
79.0738, 0.3133, 0.3300



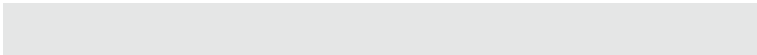
79.0738, 0.3118, 0.3282

# Square

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



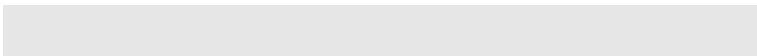
79.0738, 0.3133, 0.3300



79.0738, 0.3118, 0.3290



79.0738, 0.3122, 0.3280



79.0738, 0.3137, 0.3291



# Rectangle

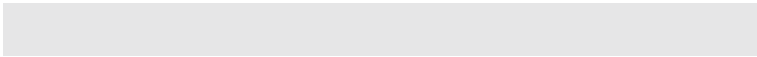
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.0738, 0.3133, 0.3300



79.0738, 0.3124, 0.3296



79.0738, 0.3122, 0.3280



79.0738, 0.3131, 0.3284

# Sweetspot

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



79.0772, 0.3133, 0.3300

100.0000, 0.3127, 0.3290



78.5694, 0.3134, 0.3290



21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

# Same Dimension

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



79.0772, 0.3133, 0.3300

100.0000, 0.3127, 0.3290



78.9984, 0.3130, 0.3300



17.0645, 0.3127, 0.3290



40.8485, 0.4133, 0.5100



3.0266, 0.4143, 0.5093



# Inverse Universe

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



78.4530, 0.3121, 0.3280

100.0000, 0.3127, 0.3290



78.5316, 0.3125, 0.3280



17.0645, 0.3127, 0.3290



3.2743, 0.1511, 0.0606



0.2504, 0.1542, 0.0623



# Previews

## White Background



This preview shows how the Yxy color 79.0738, 0.3133, 0.3300 looks on a white background.

## Color Contrast Check

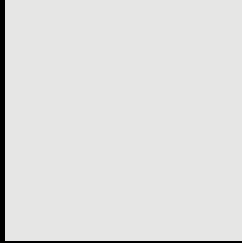
Large Text (above 18pt) WCAG AA × Fail

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 79.0738, 0.3133, 0.3300 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](#).

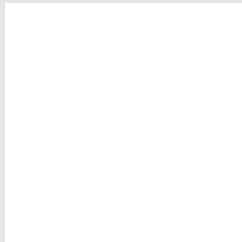


**Yxy 79.0738, 0.3133, 0.3300**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.0738, 0.3133, 0.3300.

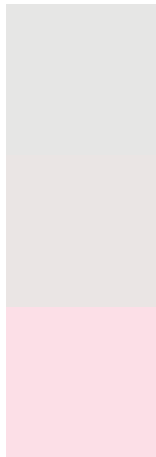


This preview shows how white text looks on a background with the Yxy color 79.0738, 0.3133, 0.3300.

# 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

79.0738, 0.3133, 0.3300

### Protanopia

79.1325, 0.3168, 0.3301

### Deuteranopia

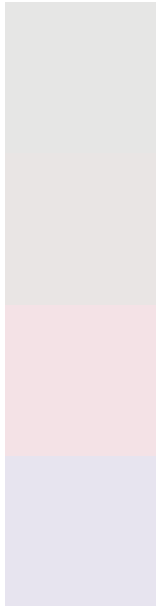
79.2403, 0.3280, 0.3210



## Tritanopia

78.6865, 0.3047, 0.3105

# Trichromacy



## Original Color

79.0738, 0.3133, 0.3300

## Protanomaly

78.9637, 0.3161, 0.3301

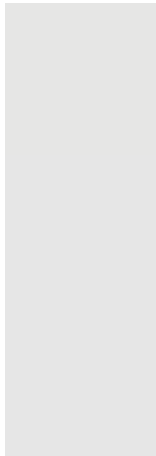
## Deuteranomaly

79.3390, 0.3227, 0.3250

## Tritanomaly

78.7077, 0.3078, 0.3176

# Monochromacy



## Original Color

79.0738, 0.3133, 0.3300

## Achromatopsia

79.1298, 0.3127, 0.3290

## Achromatomaly

79.1298, 0.3127, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.0738, 0.3133, 0.3300 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(230, 230, 229)` looks like.

```
.text, #text, p{  
    color:rgb(230, 230, 229)  
}
```

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(230, 230, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 230, 229) }
```

## Border

The CSS property to change the border of an element to Yxy 79.0738, 0.3133, 0.3300 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(230, 230, 229) }
```

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

```
.border{ border-color:rgb(230, 230, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 230, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 230, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 230, 229);  
box-shadow:4px 4px 4px 4px rgb(230, 230,  
229) }
```

# Background

The CSS property to change the background color of an element to Yxy 79.0738, 0.3133, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 230, 229) }
```

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

```
.background{ background-color: rgb(230,  
230, 229) }
```

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