

# Converting Colors

$Yxy(79.1845, 0.3288, 0.3656)$

Have a look what the booklet for  
Yxy(79.1845, 0.3288, 0.3656)  
contains.

<b>Yxy(79.1845, 0.3288, 0.3656)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(79.1845, 0.3288, 0.3656)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E2EAC8
RGB	226, 234, 200
RGB Percent	89%, 92%, 78%
CMY	0.1137, 0.0823, 0.2156
CMYK	0.03, 0.00, 0.15, 0.08
HSL	74°, 45%, 85%
HSV	74°, 15%, 92%
XYZ	71.2141, 79.1845, 66.1892
YIQ	227.7320, 6.1460, -12.2700

# Conversions

## Conversions Part 2

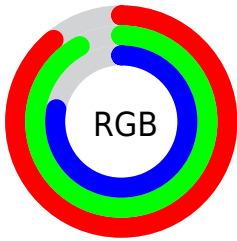
Format	Color
R <sub>Y</sub> B	200, 234, 208
Decimal	14871240
CIE Lab	91.32, -8.45, 15.61
CIE LCh	91, 17.747, 118.424
Yxy	79.1845, 0.3288, 0.3656
Android (android.graphics.Color)	4293061320 (0xFFE2EAC8)
YUV	227.7320, -13.6719, -1.5190
Hunter-Lab	88.9857, -12.8737, 18.1889

# Details

The Yxy color **79.1845, 0.3288, 0.3656** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **60.6758, 0.2951, 0.2910**, and the grayscale version is **77.4785, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.5740, 0.3328, 0.3738** is the 20% darker color. If you saturate the color by 10%, you get **77.2991, 0.3399, 0.3922**, and if you desaturate by 10%, it is **81.2730, 0.3177, 0.3401**.

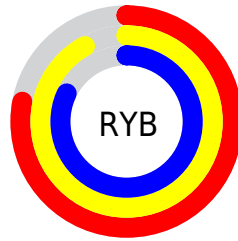
# Distribution



Red (89%)

Green (92%)

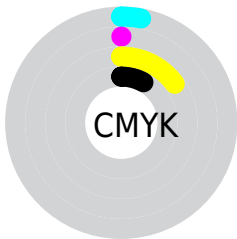
Blue (78%)



Red (78%)

Yellow (92%)

Blue (82%)

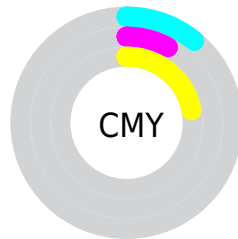


Cyan (3%)

Magenta (0%)

Yellow (15%)

Black (8%)



Cyan (11%)

Magenta (8%)


Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.1845, 0.3288, 0.3656 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 79.1845, 0.3288, 0.3656 by changing the saturation by 10% instead.




 79.1845, 0.3288,  
0.3656

 79.1845, 0.3288,  
0.3656


492.1803, 0.3216,  
0.3487

 59.0475, 0.3304,  
0.3695

132.2186, 0.3264,  
0.3597

 42.6514, 0.3323,  
0.3743


165.8844, 0.3254,  
0.3574

 29.6117, 0.3347,  
0.3803


204.8287, 0.3246,  
0.3555

 19.5440, 0.3377,  
0.3882

249.4358, 0.3238,  
0.3537

 12.0640, 0.3416,  
0.3990

300.0901, 0.3232,  
0.3522

 6.7873, 0.3469,  
0.4144

357.1761, 0.3226,

 3.3294, 0.3543,

0.3509

0.4383

421.0780, 0.3221,  
0.3497

■ 1.3060, 0.3860,  
0.5078

■ 0.1459, 0.0000,  
1.0000

■ 79.1845, 0.3288,  
0.3656

■ 79.1845, 0.3288,  
0.3656

■ 77.2991, 0.3399,  
0.3922

■ 81.2730, 0.3177,  
0.3401

■ 75.5984, 0.3506,  
0.4193


■ 83.5615, 0.3068,  
0.3161


■ 74.0776, 0.3603,  
0.4459


■ 85.0405, 0.3055,  
0.3082


■ 72.7275, 0.3686,  
0.4709


■ 86.0337, 0.3091,  
0.3085


 71.5379, 0.3750,  
0.4932


 87.0565, 0.3127,  
0.3087

 70.4975, 0.3789,  
0.5117

 87.3280, 0.3137,  
0.3088

 69.5932, 0.3802,  
0.5256

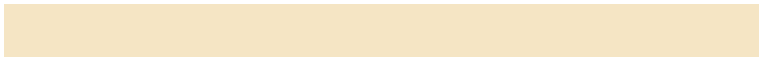
 68.8091, 0.3790,  
0.5348

 68.4169, 0.3776,  
0.5384

# Harmonies

## Analogous

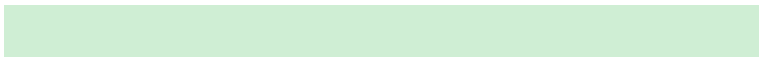
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.1845, 0.3457, 0.3626



79.1845, 0.3288, 0.3656



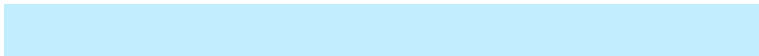
79.1845, 0.3080, 0.3580

# Triad

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



79.1845, 0.3288, 0.3656



79.1845, 0.2733, 0.3056



79.1845, 0.3366, 0.3163

# Complementary

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



79.1845, 0.3288, 0.3656



60.6758, 0.2951, 0.2910

# Split Complementary

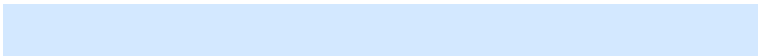
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.1845, 0.3164, 0.3023



79.1845, 0.3288, 0.3656



79.1845, 0.2803, 0.2958

# Square

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



79.1845, 0.3288, 0.3656



79.1845, 0.2764, 0.3223



79.1845, 0.2959, 0.2948



79.1845, 0.3504, 0.3337



# Rectangle

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



79.1845, 0.3288, 0.3656



79.1845, 0.2948, 0.3479



79.1845, 0.2959, 0.2948



79.1845, 0.3303, 0.3111

# Sweetspot

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



79.1880, 0.3288, 0.3656



98.9075, 0.3171, 0.3388



66.7540, 0.3385, 0.3377



21.1272, 0.3180, 0.3407



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

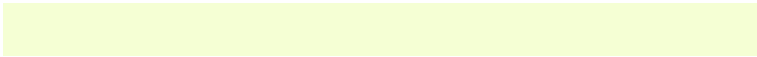


# Same Dimension

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



79.1880, 0.3288, 0.3656



95.6301, 0.3317, 0.3723



76.5873, 0.3170, 0.3669



17.4378, 0.3232, 0.3525



38.5053, 0.3783, 0.5378



3.0667, 0.3842, 0.5331



# Inverse Universe

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



60.6758, 0.2951, 0.2910



69.6401, 0.2916, 0.2837



63.2599, 0.3076, 0.2924



14.7202, 0.3016, 0.3049



3.8444, 0.1632, 0.0673

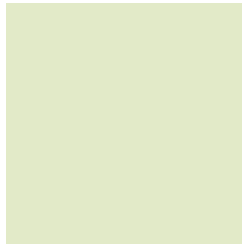


0.3448, 0.1766, 0.0747



# Previews

## White Background



This preview shows how the Yxy color 79.1845, 0.3288, 0.3656 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

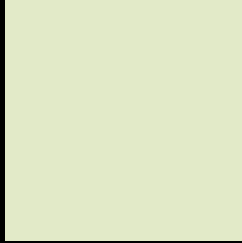
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.1845, 0.3288, 0.3656 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

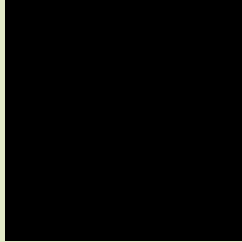
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

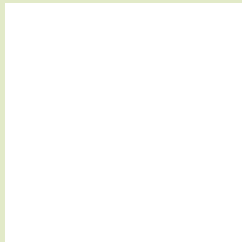
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 79.1845, 0.3288, 0.3656**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.1845, 0.3288, 0.3656.

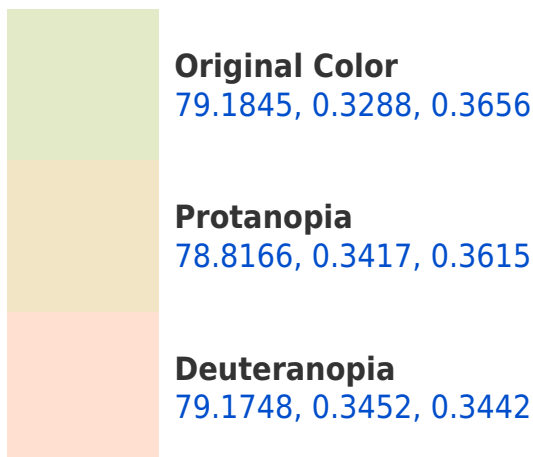


This preview shows how white text looks on a background with the Yxy color 79.1845, 0.3288, 0.3656.

# 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

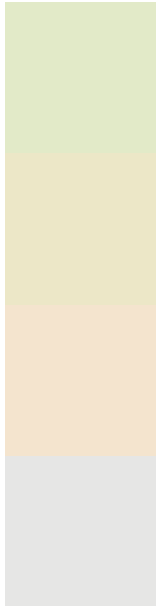




## Tritanopia

79.4643, 0.3048, 0.3106

# Trichromacy



**Original Color**

79.1845, 0.3288, 0.3656

**Protanomaly**

79.1082, 0.3370, 0.3629

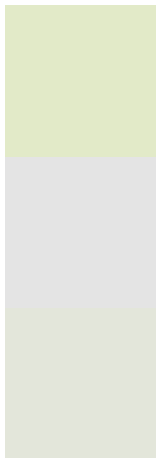
**Deuteranomaly**

79.1761, 0.3386, 0.3519

**Tritanomaly**

79.0738, 0.3133, 0.3300

# Monochromacy



**Original Color**

79.1845, 0.3288, 0.3656

**Achromatopsia**

77.5822, 0.3127, 0.3290

**Achromatomaly**

77.9865, 0.3183, 0.3418

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.1845, 0.3288, 0.3656 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(226, 234, 200)` looks like.

```
.text, #text, p{  
    color:rgb(226, 234, 200)  
}
```

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(226, 234, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 234, 200) }
```

## Border

The CSS property to change the border of an element to Yxy 79.1845, 0.3288, 0.3656 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(226, 234, 200) }
```

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

```
.border{ border-color:rgb(226, 234, 200) }
```

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

Here you see how a box with a 4 pixel rgb(226, 234, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 234, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 234, 200);  
box-shadow:4px 4px 4px 4px rgb(226, 234,  
200) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.1845, 0.3288, 0.3656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 234, 200) }
```

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

```
.background{ background-color: rgb(226,  
234, 200) }
```

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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