

Converting Colors

$Yxy(83.9272, 0.3228, 0.3451)$

Have a look what the booklet for
Yxy(83.9272, 0.3228, 0.3451)
contains.

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Color

Yxy(83.9660, 0.3234, 0.3455)

Conversions

Conversions Part 1

Format	Color
Hex	EEEDDD
RGB	238, 237, 221
RGB Percent	93%, 93%, 87%
CMY	0.0667, 0.0706, 0.1334
CMYK	0.00, 0.00, 0.07, 0.07
HSL	56°, 33%, 90%
HSV	56°, 7%, 93%
XYZ	78.5951, 83.9660, 80.4664
YIQ	235.4750, 5.7320, -4.7640

Conversions

Conversions Part 2

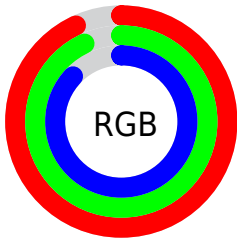
Format	Color
R _Y B	222, 238, 221
Decimal	15658461
CIE Lab	93.44, -2.40, 7.86
CIE LCh	93, 8.220, 106.978
Yxy	83.9660, 0.3234, 0.3455
Android (android.graphics.Color)	4293848541 (0xFFEEEDDD)
YUV	235.4750, -7.1362, 2.2144
Hunter-Lab	91.6330, -7.2553, 12.0783

Details

The Yxy color **83.9660, 0.3234, 0.3455** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **73.7832, 0.3017, 0.3119**, and the grayscale version is **83.5131, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.7460, 0.3257, 0.3489** is the 20% darker color. If you saturate the color by 10%, you get **81.9842, 0.3389, 0.3693**, and if you desaturate by 10%, it is **86.1413, 0.3086, 0.3226**.

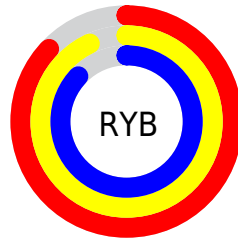
Distribution



Red (93%)

Green (93%)

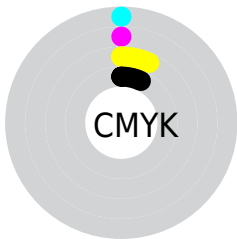
Blue (87%)



Red (87%)

Yellow (93%)

Blue (87%)

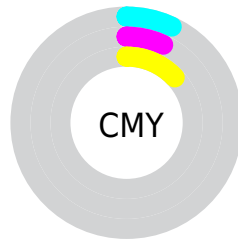


Cyan (0%)

Magenta (0%)

Yellow (7%)

Black (7%)



Cyan (7%)

Magenta (7%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.9660, 0.3234, 0.3455 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 83.9660, 0.3234, 0.3455 by changing the saturation by 10% instead.

83.9660, 0.3234,
0.3455

83.9660, 0.3234,
0.3455

508.2003, 0.3186,
0.3380

62.9874, 0.3245,
0.3472

138.9276, 0.3218,
0.3429

45.8310, 0.3258,
0.3492

173.6794, 0.3211,
0.3419

32.1125, 0.3274,
0.3518

213.7910, 0.3206,
0.3411

21.4474, 0.3295,
0.3551

259.6468, 0.3201,
0.3403

13.4514, 0.3323,
0.3596

311.6313, 0.3196,
0.3396

7.7401, 0.3361,
0.3659

370.1287, 0.3193,

3.9291, 0.3419,

0.3390

0.3754

435.5236, 0.3189,
0.3385

■ 1.6340, 0.3513,
0.3914

■ 0.3804, 0.4433,
0.5567

■ 83.9660, 0.3234,
0.3455

■ 83.9660, 0.3234,
0.3455

■ 81.9842, 0.3389,
0.3693

■ 86.1413, 0.3086,
0.3226

■ 80.1773, 0.3547,
0.3932

■ 87.5992, 0.3025,
0.3139


■ 78.5410, 0.3704,
0.4166


■ 88.4235, 0.3025,
0.3153

■ 77.0665, 0.3852,
0.4385


■ 89.2542, 0.3024,
0.3167

 75.7443, 0.3988,
0.4579


 90.0913, 0.3024,
0.3181


 74.5638, 0.4103,
0.4739

 90.9347, 0.3024,
0.3195

 73.5131, 0.4193,
0.4857

 91.7844, 0.3024,
0.3209

 72.5781, 0.4256,
0.4930

 92.6406, 0.3024,
0.3223

 71.7406, 0.4293,
0.4962

 93.5032, 0.3024,
0.3236

Harmonies

Analogous

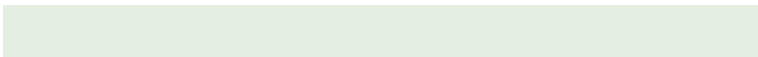
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.9660, 0.3296, 0.3427



83.9660, 0.3234, 0.3455



83.9660, 0.3144, 0.3437

Triad

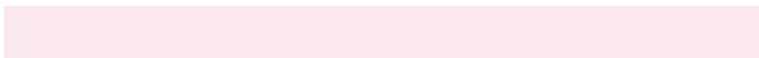
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.9660, 0.3234, 0.3455



83.9660, 0.2945, 0.3212



83.9660, 0.3203, 0.3204

Complementary

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



83.9660, 0.3234, 0.3455



73.7832, 0.3017, 0.3119

Split Complementary

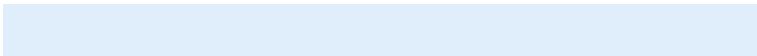
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.9660, 0.3108, 0.3149



83.9660, 0.3234, 0.3455



83.9660, 0.2961, 0.3152

Square

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



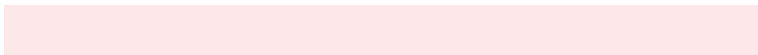
83.9660, 0.3234, 0.3455



83.9660, 0.2978, 0.3295



83.9660, 0.3020, 0.3129



83.9660, 0.3278, 0.3282

Rectangle

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



83.9660, 0.3234, 0.3455



83.9660, 0.3080, 0.3402



83.9660, 0.3020, 0.3129



83.9660, 0.3173, 0.3182

Sweetspot

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



83.9697, 0.3234, 0.3455



99.4851, 0.3157, 0.3336



75.1687, 0.3241, 0.3279



21.2993, 0.3155, 0.3334



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.



83.9697, 0.3234, 0.3455



97.7530, 0.3263, 0.3499



83.2993, 0.3183, 0.3468



18.2908, 0.3270, 0.3510



39.9627, 0.4299, 0.4968



3.3725, 0.4284, 0.4980

Inverse Universe

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



73.7832, 0.3017, 0.3119



82.8867, 0.2987, 0.3072



74.4372, 0.3068, 0.3112



15.3775, 0.2979, 0.3060



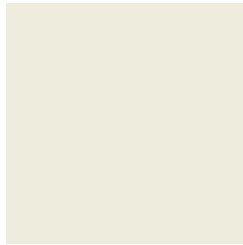
3.6781, 0.1510, 0.0637



0.3579, 0.1537, 0.0731

Previews

White Background



This preview shows how the Yxy color 83.9660, 0.3234, 0.3455 looks on a white background.

Color Contrast Check

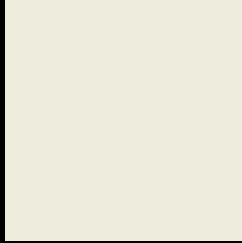
Large Text (above 18pt) WCAG AA × Fail

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 83.9660, 0.3234, 0.3455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

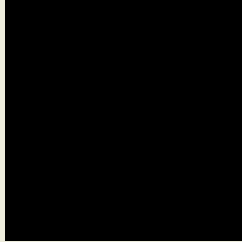
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

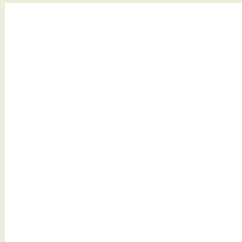
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.9660, 0.3234, 0.3455

Background



This preview shows how black text looks on a background with the Yxy color 83.9660, 0.3234, 0.3455.

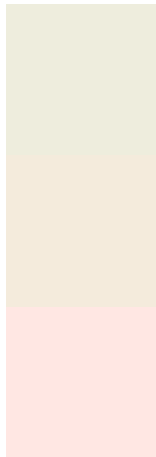


This preview shows how white text looks on a background with the Yxy color 83.9660, 0.3234, 0.3455.

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

83.9660, 0.3234, 0.3455

Protanopia

83.8171, 0.3284, 0.3443

Deuteranopia

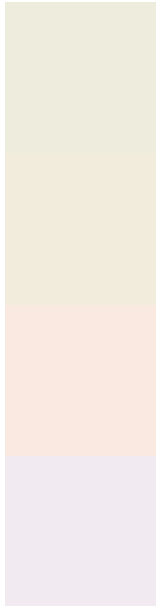
83.9579, 0.3319, 0.3330



Tritanopia

84.1201, 0.3076, 0.3111

Trichromacy



Original Color

83.9660, 0.3234, 0.3455

Protanomaly

84.0355, 0.3269, 0.3454

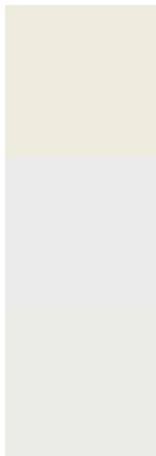
Deuteranomaly

83.8538, 0.3288, 0.3371

Tritanomaly

83.8377, 0.3137, 0.3230

Monochromacy



Original Color

83.9660, 0.3234, 0.3455

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.5369, 0.3164, 0.3352

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.9660, 0.3234, 0.3455 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(238, 237, 221)` looks like.

```
.text, #text, p{  
    color:rgb(238, 237, 221)  
}
```

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(238, 237, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 237, 221) }
```

Border

The CSS property to change the border of an element to Yxy 83.9660, 0.3234, 0.3455 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(238, 237, 221) }
```

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

```
.border{ border-color:rgb(238, 237, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 237, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 237, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 237, 221);  
box-shadow:4px 4px 4px 4px rgb(238, 237,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 83.9660, 0.3234, 0.3455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 237, 221) }
```

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

```
.background{ background-color: rgb(238,  
237, 221) }
```

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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