

Converting Colors

$Yxy(83.5766, 0.3229, 0.3472)$

Have a look what the booklet for
Yxy(83.5766, 0.3229, 0.3472)
contains.

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Color

Yxy(83.5685, 0.3227, 0.3466)

Conversions

Conversions Part 1

Format	Color
Hex	ECEDDC
RGB	236, 237, 220
RGB Percent	93%, 93%, 86%
CMY	0.0743, 0.0706, 0.1373
CMYK	0.00, 0.00, 0.07, 0.07
HSL	63°, 32%, 90%
HSV	63°, 7%, 93%
XYZ	77.8060, 83.5685, 79.7349
YIQ	234.7630, 4.8610, -5.4990

Conversions

Conversions Part 2

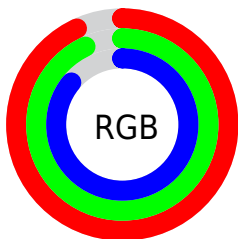
Format	Color
R_{YB}	220, 237, 221
Decimal	15527388
CIE Lab	93.26, -3.23, 8.11
CIE LCh	93, 8.733, 111.712
Yxy	83.5685, 0.3227, 0.3466
Android (android.graphics.Color)	4293717468 (0xFFECEDDC)
YUV	234.7630, -7.2782, 1.0848
Hunter-Lab	91.4158, -8.0524, 12.2770

Details

The Yxy color **83.5685, 0.3227, 0.3466** is a light color, and the websafe version is hex FFFFFF. A complement of this color would be **72.6597, 0.3024, 0.3108**, and the grayscale version is **82.9487, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.4677, 0.3247, 0.3504** is the 20% darker color. If you saturate the color by 10%, you get **82.1803, 0.3369, 0.3719**, and if you desaturate by 10%, it is **85.1436, 0.3089, 0.3222**.

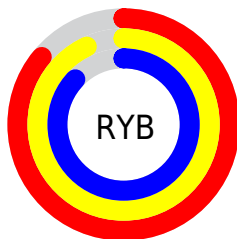
Distribution



Red (93%)

Green (93%)

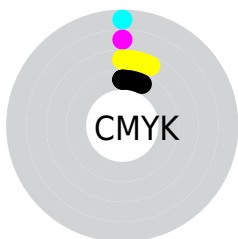
Blue (86%)



Red (86%)

Yellow (93%)

Blue (87%)

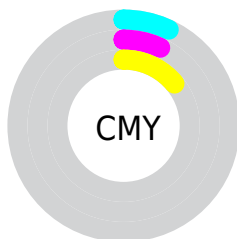


Cyan (0%)

Magenta (0%)

Yellow (7%)

Black (7%)



Cyan (7%)

Magenta (7%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.5685, 0.3227, 0.3466 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 83.5685, 0.3227, 0.3466 by changing the saturation by 10% instead.

83.5685, 0.3227,
0.3466

83.5685, 0.3227,
0.3466

506.8792, 0.3182,
0.3386

62.6592, 0.3237,
0.3484

138.3714, 0.3212,
0.3439

45.5656, 0.3249,
0.3506

173.0339, 0.3206,
0.3428

31.9032, 0.3264,
0.3534

213.0495, 0.3200,
0.3418

21.2875, 0.3284,
0.3569

258.8027, 0.3196,
0.3410

13.3343, 0.3309,
0.3617

310.6779, 0.3192,
0.3403

7.6592, 0.3345,
0.3685

369.0594, 0.3188,

3.8777, 0.3399,

0.3397

0.3789

434.3318, 0.3185,
0.3391

■ 1.6054, 0.3485,
0.3964

■ 0.3612, 0.4227,
0.5773

■ 83.5685, 0.3227,
0.3466

■ 83.5685, 0.3227,
0.3466

■ 82.1803, 0.3369,
0.3719

■ 85.1436, 0.3089,
0.3222

■ 80.9607, 0.3512,
0.3975


■ 86.0777, 0.3029,
0.3111


■ 79.9053, 0.3650,
0.4226


■ 86.3064, 0.3038,
0.3111

■ 79.0055, 0.3777,
0.4461


■ 86.5369, 0.3046,
0.3112

 78.2519, 0.3888,
0.4672


 86.7690, 0.3055,
0.3112

 77.6340, 0.3978,
0.4848


 87.0027, 0.3063,
0.3113


 77.1402, 0.4043,
0.4983

 87.2382, 0.3072,
0.3113

 76.7563, 0.4081,
0.5072

 87.4753, 0.3080,
0.3114

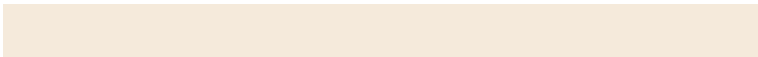
 76.4645, 0.4094,
0.5121

 87.7141, 0.3089,
0.3114

Harmonies

Analogous

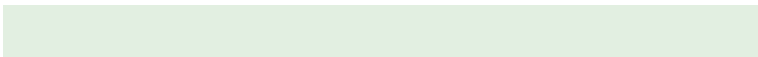
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.5685, 0.3299, 0.3444



83.5685, 0.3227, 0.3466



83.5685, 0.3129, 0.3440

Triad

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



83.5685, 0.3227, 0.3466



83.5685, 0.2933, 0.3195



83.5685, 0.3223, 0.3211

Complementary

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



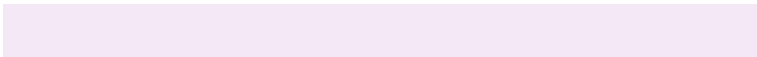
83.5685, 0.3227, 0.3466



72.6597, 0.3024, 0.3108

Split Complementary

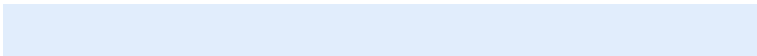
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.5685, 0.3123, 0.3147



83.5685, 0.3227, 0.3466



83.5685, 0.2957, 0.3136

Square

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



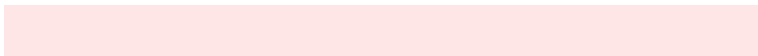
83.5685, 0.3227, 0.3466



83.5685, 0.2960, 0.3281



83.5685, 0.3026, 0.3119



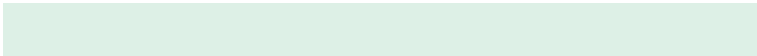
83.5685, 0.3297, 0.3296

Rectangle

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



83.5685, 0.3227, 0.3466



83.5685, 0.3062, 0.3398



83.5685, 0.3026, 0.3119



83.5685, 0.3191, 0.3186

Sweetspot

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



83.5721, 0.3227, 0.3466



99.6223, 0.3155, 0.3339



74.8010, 0.3249, 0.3299



21.3272, 0.3153, 0.3336



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

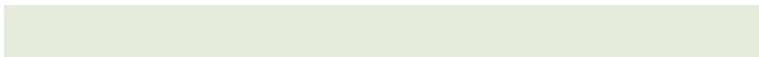
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.5721, 0.3227, 0.3466



98.3689, 0.3253, 0.3513



82.1663, 0.3170, 0.3469



17.5820, 0.3259, 0.3523



41.7291, 0.4097, 0.5129



3.2897, 0.4111, 0.5118

Inverse Universe

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



72.6597, 0.3024, 0.3108



82.3390, 0.2995, 0.3058



74.0121, 0.3082, 0.3112



14.5887, 0.2988, 0.3047



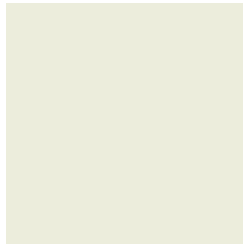
3.4029, 0.1517, 0.0610



0.2813, 0.1564, 0.0635

Previews

White Background



This preview shows how the Yxy color 83.5685, 0.3227, 0.3466 looks on a white background.

Color Contrast Check

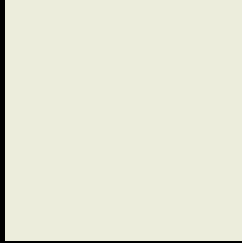
Large Text (above 18pt) WCAG AA × Fail

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 83.5685, 0.3227, 0.3466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

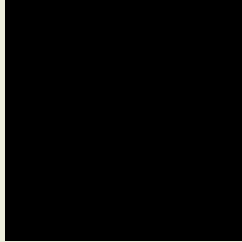
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

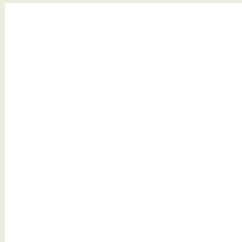
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.5685, 0.3227, 0.3466

Background



This preview shows how black text looks on a background with the Yxy color 83.5685, 0.3227, 0.3466.

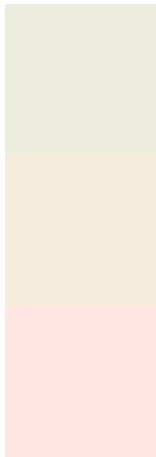


This preview shows how white text looks on a background with the Yxy color 83.5685, 0.3227, 0.3466.

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

83.5685, 0.3227, 0.3466

Protanopia

83.7642, 0.3290, 0.3454

Deuteranopia

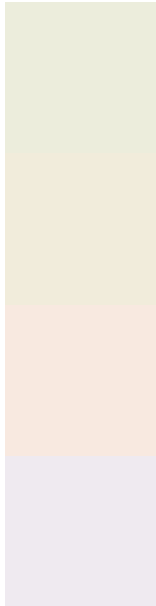
83.3446, 0.3327, 0.3330



Tritanopia

83.3790, 0.3069, 0.3100

Trichromacy



Original Color

83.5685, 0.3227, 0.3466

Protanomaly

83.8062, 0.3268, 0.3465

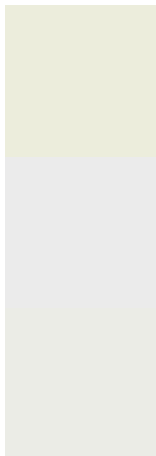
Deuteranomaly

83.6161, 0.3288, 0.3381

Tritanomaly

83.4876, 0.3123, 0.3229

Monochromacy



Original Color

83.5685, 0.3227, 0.3466

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.3662, 0.3158, 0.3352

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.5685, 0.3227, 0.3466 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(236, 237, 220)` looks like.

```
.text, #text, p{  
    color:rgb(236, 237, 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(236, 237, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 237, 220) }
```

Border

The CSS property to change the border of an element to Yxy 83.5685, 0.3227, 0.3466 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(236, 237, 220) }
```

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

```
.border{ border-color:rgb(236, 237, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 237, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 237, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 237, 220);  
box-shadow:4px 4px 4px 4px rgb(236, 237,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 83.5685, 0.3227, 0.3466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 237, 220) }
```

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

```
.background{ background-color: rgb(236,  
237, 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](#).

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