

Converting Colors

$Yxy(83.5364, 0.3214, 0.3437)$

Have a look what the booklet for
Yxy(83.5364, 0.3214, 0.3437)
contains.

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Color

Yxy(83.6752, 0.3214, 0.3445)

Conversions

Conversions Part 1

Format	Color
Hex	ECEDDE
RGB	236, 237, 222
RGB Percent	93%, 93%, 87%
CMY	0.0745, 0.0706, 0.1294
CMYK	0.00, 0.00, 0.06, 0.07
HSL	64°, 29%, 90%
HSV	64°, 6%, 93%
XYZ	78.0645, 83.6752, 81.1492
YIQ	234.9910, 4.2190, -4.8770

Conversions

Conversions Part 2

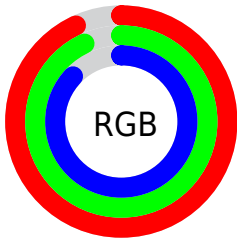
Format	Color
R _Y B	222, 237, 223
Decimal	15527390
CIE Lab	93.31, -2.91, 7.13
CIE LCh	93, 7.706, 112.217
Yxy	83.6752, 0.3214, 0.3445
Android (android.graphics.Color)	4293717470 (0xFFECEDDE)
YUV	234.9910, -6.4046, 0.8849
Hunter-Lab	91.4741, -7.7470, 11.4342

Details

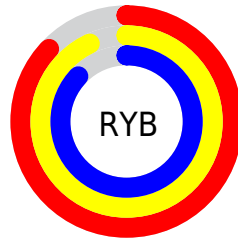
The Yxy color **83.6752, 0.3214, 0.3445** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **74.0501, 0.3037, 0.3131**, and the grayscale version is **83.1216, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.5411, 0.3231, 0.3477** is the 20% darker color. If you saturate the color by 10%, you get **82.2290, 0.3354, 0.3698**, and if you desaturate by 10%, it is **85.3096, 0.3078, 0.3202**.

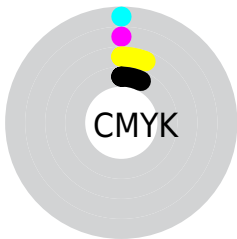
Distribution



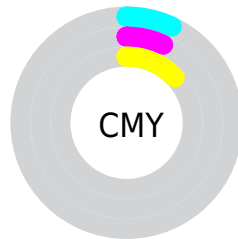
- Red (93%)
- Green (93%)
- Blue (87%)



- Red (87%)
- Yellow (93%)
- Blue (87%)



- Cyan (0%)
- Magenta (0%)
- Yellow (6%)
- Black (7%)



- Cyan (7%)
- Magenta (7%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.6752, 0.3214, 0.3445 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 83.6752, 0.3214, 0.3445 by changing the saturation by 10% instead.

83.6752, 0.3214,
0.3445

83.6752, 0.3214,
0.3445

507.2340, 0.3175,
0.3375

62.7473, 0.3223,
0.3461

138.5207, 0.3201,
0.3421

45.6368, 0.3233,
0.3480

173.2072, 0.3195,
0.3411

31.9593, 0.3246,
0.3504

213.2486, 0.3191,
0.3403

21.3304, 0.3263,
0.3536

259.0294, 0.3187,
0.3396

13.3657, 0.3286,
0.3578

310.9339, 0.3183,
0.3390

7.6809, 0.3317,
0.3638

369.3466, 0.3180,

3.8914, 0.3364,

0.3384

0.3728

434.6518, 0.3178,
0.3379

■ 1.6130, 0.3440,
0.3882

■ 0.3664, 0.4306,
0.5694

■ 83.6752, 0.3214,
0.3445

■ 83.6752, 0.3214,
0.3445

■ 82.2290, 0.3354,
0.3698

■ 85.3096, 0.3078,
0.3202

■ 80.9528, 0.3495,
0.3954

■ 86.1652, 0.3032,
0.3111


■ 79.8423, 0.3632,
0.4207


■ 86.4391, 0.3042,
0.3112


■ 78.8888, 0.3758,
0.4446


■ 86.7154, 0.3052,
0.3112

 78.0830, 0.3869,
0.4661


 86.9940, 0.3062,
0.3113


 77.4147, 0.3959,
0.4843


 87.2751, 0.3073,
0.3113


 76.8720, 0.4024,
0.4983

 87.5585, 0.3083,
0.3114

 76.4414, 0.4062,
0.5079

 87.8443, 0.3093,
0.3115

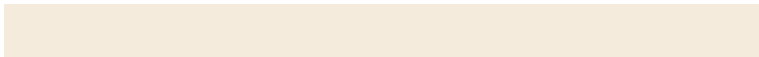
 76.1056, 0.4075,
0.5132

 88.1325, 0.3103,
0.3115

Harmonies

Analogous

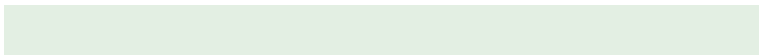
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.6752, 0.3278, 0.3426



83.6752, 0.3214, 0.3445



83.6752, 0.3127, 0.3421

Triad

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



83.6752, 0.3214, 0.3445



83.6752, 0.2956, 0.3205



83.6752, 0.3213, 0.3221

Complementary

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



83.6752, 0.3214, 0.3445



74.0501, 0.3037, 0.3131

Split Complementary

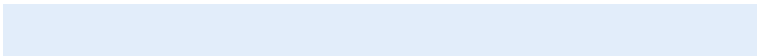
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.6752, 0.3125, 0.3164



83.6752, 0.3214, 0.3445



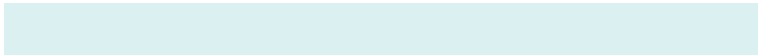
83.6752, 0.2978, 0.3154

Square

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



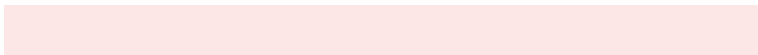
83.6752, 0.3214, 0.3445



83.6752, 0.2979, 0.3281



83.6752, 0.3040, 0.3139



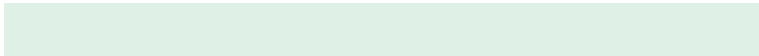
83.6752, 0.3278, 0.3297

Rectangle

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



83.6752, 0.3214, 0.3445



83.6752, 0.3068, 0.3384



83.6752, 0.3040, 0.3139



83.6752, 0.3185, 0.3199

Sweetspot

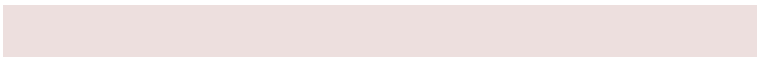
The Sweet Spot groups the original color and five complimentary colors.



83.6788, 0.3214, 0.3445



99.6120, 0.3154, 0.3339



75.9260, 0.3233, 0.3298



21.3251, 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.



83.6788, 0.3214, 0.3445



98.5004, 0.3238, 0.3488



82.4619, 0.3165, 0.3447



17.5734, 0.3258, 0.3523



41.5130, 0.4078, 0.5144



3.2751, 0.4095, 0.5130

Inverse Universe

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



74.0501, 0.3037, 0.3131



84.2318, 0.3012, 0.3086



75.2274, 0.3087, 0.3133



14.5964, 0.2990, 0.3047



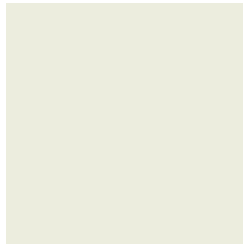
3.4161, 0.1521, 0.0611



0.2850, 0.1577, 0.0642

Previews

White Background



This preview shows how the Yxy color 83.6752, 0.3214, 0.3445 looks on a white background.

Color Contrast Check

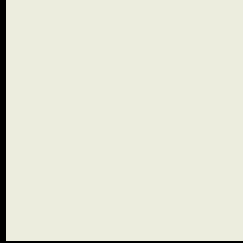
Large Text (above 18pt) WCAG AA × Fail

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 83.6752, 0.3214, 0.3445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

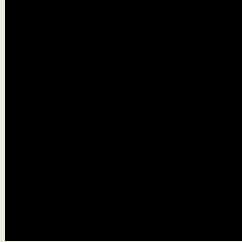
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

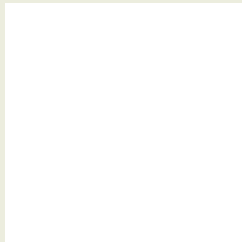
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.6752, 0.3214, 0.3445

Background



This preview shows how black text looks on a background with the Yxy color 83.6752, 0.3214, 0.3445.

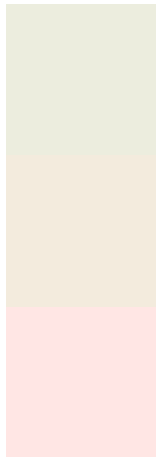


This preview shows how white text looks on a background with the Yxy color 83.6752, 0.3214, 0.3445.

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

83.6752, 0.3214, 0.3445

Protanopia

83.6918, 0.3270, 0.3433

Deuteranopia

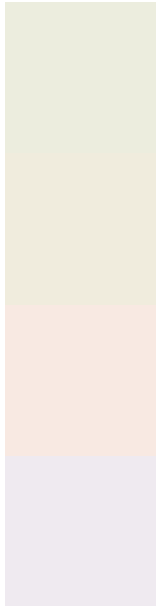
83.4551, 0.3314, 0.3310



Tritanopia

83.7681, 0.3063, 0.3110

Trichromacy



Original Color

83.6752, 0.3214, 0.3445

Protanomaly

83.7366, 0.3249, 0.3444

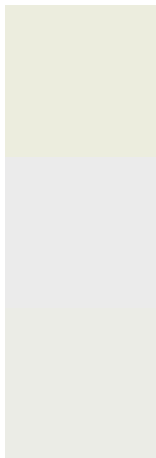
Deuteranomaly

83.7253, 0.3275, 0.3361

Tritanomaly

83.4876, 0.3123, 0.3229

Monochromacy



Original Color

83.6752, 0.3214, 0.3445

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 83.6752, 0.3214, 0.3445 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, 222)` looks like.

```
.text, #text, p{  
    color:rgb(236, 237, 222)  
}
```

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, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 237, 222) }
```

Border

The CSS property to change the border of an element to Yxy 83.6752, 0.3214, 0.3445 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, 222) }
```

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

```
.border{ border-color:rgb(236, 237, 222) }
```

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, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(236, 237, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(236, 237, 222); box-shadow:4px 4px 4px 4px rgb(236, 237, 222) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6752, 0.3214, 0.3445 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, 222) }
```

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

```
.background{ background-color: rgb(236,  
237, 222) }
```

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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