

Converting Colors

Yxy(83.3214, 0.3169, 0.3413)

Have a look what the booklet for
Yxy(83.3214, 0.3169, 0.3413)
contains.

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Color

Yxy(83.1604, 0.3168, 0.3415)

Conversions

Conversions Part 1

Format	Color
Hex	E8EDE1
RGB	232, 237, 225
RGB Percent	91%, 93%, 88%
CMY	0.0903, 0.0705, 0.1177
CMYK	0.02, 0.00, 0.05, 0.07
HSL	85°, 25%, 91%
HSV	85°, 5%, 93%
XYZ	77.1456, 83.1604, 83.2091
YIQ	234.1370, 0.8720, -4.7920

Conversions

Conversions Part 2

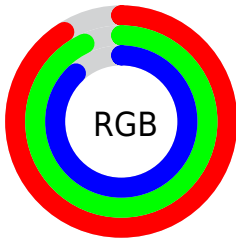
Format	Color
R _Y B	225, 237, 230
Decimal	15265249
CIE Lab	93.08, -3.79, 5.22
CIE LCh	93, 6.454, 125.956
Yxy	83.1604, 0.3168, 0.3415
Android (android.graphics.Color)	4293455329 (0xFFE8EDE1)
YUV	234.1370, -4.5045, -1.8741
Hunter-Lab	91.1923, -8.5817, 9.7350

Details

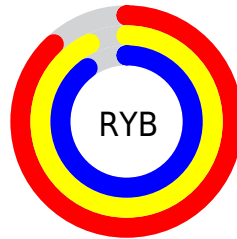
The Yxy color **83.1604, 0.3168, 0.3415** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **76.7859, 0.3085, 0.3165**, and the grayscale version is **82.4217, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.1801, 0.3172, 0.3438** is the 20% darker color. If you saturate the color by 10%, you get **80.3440, 0.3249, 0.3676**, and if you desaturate by 10%, it is **86.2575, 0.3088, 0.3174**.

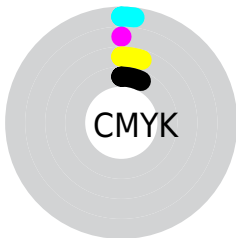
Distribution



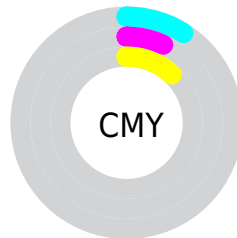
- Red (91%)
- Green (93%)
- Blue (88%)



- Red (88%)
- Yellow (93%)
- Blue (90%)



- Cyan (2%)
- Magenta (0%)
- Yellow (5%)
- Black (7%)





- Cyan (9%)
- Magenta (7%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.1604, 0.3168, 0.3415 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 83.1604, 0.3168, 0.3415 by changing the saturation by 10% instead.

 83.1604, 0.3168,
0.3415

 83.1604, 0.3168,
0.3415


505.5209, 0.3150,
0.3358

 62.3225, 0.3172,
0.3428

137.8001, 0.3162,
0.3395

 45.2933, 0.3177,
0.3443


172.3707, 0.3159,
0.3388

 31.6885, 0.3183,
0.3463


212.2876, 0.3157,
0.3381

 21.1237, 0.3191,
0.3489

257.9352, 0.3155,
0.3375

 13.2145, 0.3201,
0.3523

309.6979, 0.3154,
0.3370

 7.5764, 0.3216,
0.3572

367.9602, 0.3152,

 3.8251, 0.3237,

0.3366

0.3646

433.1064, 0.3151,
0.3362

■ 1.5762, 0.3272,
0.3774

■ 0.3415, 0.4000,
0.5887

■ 83.1604, 0.3168,
0.3415

■ 83.1604, 0.3168,
0.3415

■ 80.3440, 0.3249,
0.3676

■ 86.2575, 0.3088,
0.3174

■ 77.7885, 0.3328,
0.3954

■ 88.4616, 0.3115,
0.3116

■ 75.4882, 0.3402,
0.4243

■ 89.0568, 0.3135,
0.3117

■ 73.4330, 0.3466,
0.4534

■ 71.6119, 0.3515,
0.4815

■ 70.0131, 0.3546,
0.5072

■ 68.6233, 0.3553,
0.5292

■ 67.4273, 0.3537,
0.5464

■ 66.4067, 0.3497,
0.5581

Harmonies

Analogous

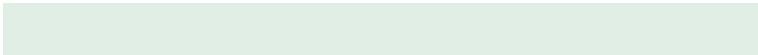
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.1604, 0.3233, 0.3416



83.1604, 0.3168, 0.3415



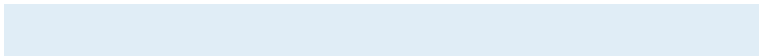
83.1604, 0.3093, 0.3380

Triad

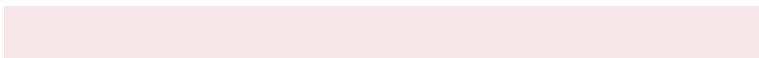
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.1604, 0.3168, 0.3415



83.1604, 0.2987, 0.3196



83.1604, 0.3228, 0.3260

Complementary

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



83.1604, 0.3168, 0.3415



76.7859, 0.3085, 0.3165

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.



83.1604, 0.3161, 0.3203



83.1604, 0.3168, 0.3415



83.1604, 0.3022, 0.3166

Square

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



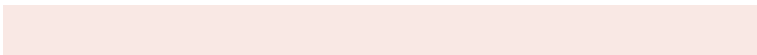
83.1604, 0.3168, 0.3415



83.1604, 0.2989, 0.3252



83.1604, 0.3085, 0.3169



83.1604, 0.3268, 0.3326

Rectangle

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



83.1604, 0.3168, 0.3415



83.1604, 0.3047, 0.3341



83.1604, 0.3085, 0.3169



83.1604, 0.3207, 0.3240

Sweetspot

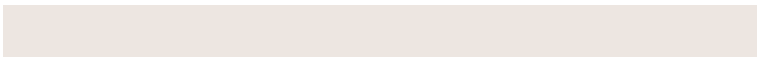
The Sweet Spot groups the original color and five complimentary colors.



83.1640, 0.3168, 0.3415



99.2728, 0.3143, 0.3339



80.0353, 0.3208, 0.3342



21.2561, 0.3142, 0.3336



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

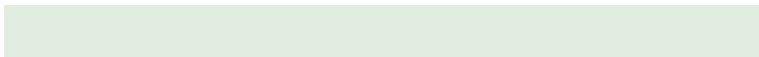
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.1640, 0.3168, 0.3415



97.8579, 0.3176, 0.3439



82.1793, 0.3128, 0.3416



17.4667, 0.3181, 0.3454



36.0831, 0.3484, 0.5616



2.8897, 0.3579, 0.5540

Inverse Universe

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



76.7859, 0.3085, 0.3165



88.9765, 0.3076, 0.3140



77.7936, 0.3126, 0.3166



15.7273, 0.3071, 0.3125



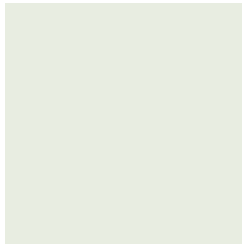
4.8688, 0.1877, 0.0808



0.4377, 0.2032, 0.0893

Previews

White Background



This preview shows how the Yxy color 83.1604, 0.3168, 0.3415 looks on a white background.

Color Contrast Check

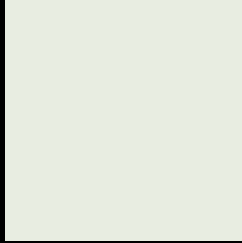
Large Text (above 18pt) WCAG AA × Fail

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 83.1604, 0.3168, 0.3415 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

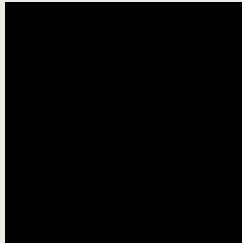
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

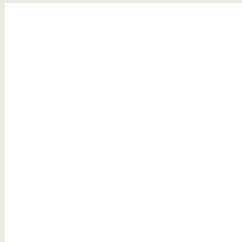
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.1604, 0.3168, 0.3415

Background



This preview shows how black text looks on a background with the Yxy color 83.1604, 0.3168, 0.3415.

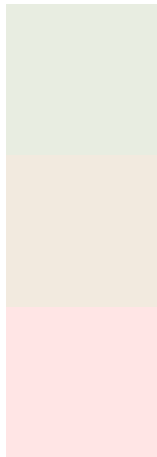


This preview shows how white text looks on a background with the Yxy color 83.1604, 0.3168, 0.3415.

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

83.1604, 0.3168, 0.3415

Protanopia

83.0506, 0.3252, 0.3403

Deuteranopia

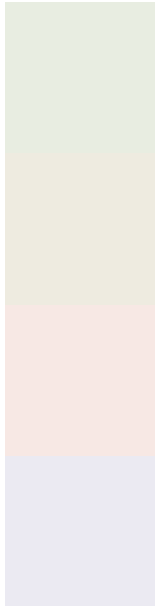
82.9558, 0.3308, 0.3291



Tritanopia

83.0757, 0.3036, 0.3109

Trichromacy



Original Color

83.1604, 0.3168, 0.3415

Protanomaly

82.9756, 0.3217, 0.3403

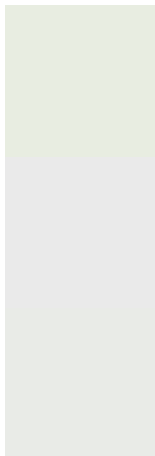
Deuteranomaly

83.0888, 0.3256, 0.3331

Tritanomaly

82.9186, 0.3084, 0.3208

Monochromacy



Original Color

83.1604, 0.3168, 0.3415

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.5098, 0.3139, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.1604, 0.3168, 0.3415 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(232, 237, 225)` looks like.

```
.text, #text, p{  
    color:rgb(232, 237, 225)  
}
```

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(232, 237, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 237, 225) }
```

Border

The CSS property to change the border of an element to Yxy 83.1604, 0.3168, 0.3415 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(232, 237, 225) }
```

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

```
.border{ border-color:rgb(232, 237, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 237, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 237, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 237, 225);  
box-shadow:4px 4px 4px 4px rgb(232, 237,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 83.1604, 0.3168, 0.3415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 237, 225) }
```

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

```
.background{ background-color: rgb(232,  
237, 225) }
```

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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