

Converting Colors

$Yxy(81.7817, 0.3230, 0.3435)$

Have a look what the booklet for
Yxy(81.7817, 0.3230, 0.3435)
contains.

Yxy(81.8458, 0.3229, 0.3436)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(81.8458, 0.3229, 0.3436)

Conversions

Conversions Part 1

Format	Color
Hex	ECEADC
RGB	236, 234, 220
RGB Percent	93%, 92%, 86%
CMY	0.0748, 0.0822, 0.1373
CMYK	0.00, 0.01, 0.07, 0.07
HSL	53°, 30%, 89%
HSV	53°, 7%, 93%
XYZ	76.9150, 81.8458, 79.4400
YIQ	233.0020, 5.6860, -3.9300

Conversions

Conversions Part 2

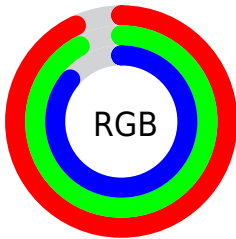
Format	Color
R_{YB}	222, 236, 220
Decimal	15526620
CIE Lab	92.51, -1.76, 7.03
CIE LCh	93, 7.250, 104.083
Yxy	81.8458, 0.3229, 0.3436
Android (android.graphics.Color)	4293716700 (0xFFECEADC)
YUV	233.0020, -6.4100, 2.6292
Hunter-Lab	90.4687, -6.5623, 11.2659

Details

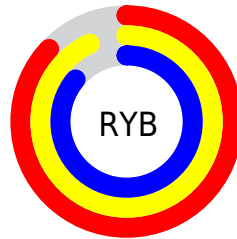
The Yxy color **81.8458, 0.3229, 0.3436** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **73.4497, 0.3024, 0.3140**, and the grayscale version is **81.5281, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.2607, 0.3251, 0.3465** is the 20% darker color. If you saturate the color by 10%, you get **79.0910, 0.3387, 0.3659**, and if you desaturate by 10%, it is **84.8098, 0.3080, 0.3222**.

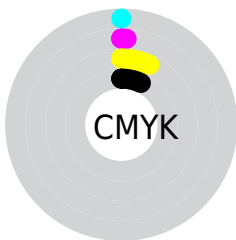
Distribution



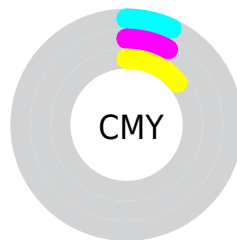
- Red (93%)
- Green (92%)
- Blue (86%)



- Red (87%)
- Yellow (93%)
- Blue (86%)



- Cyan (0%)
- Magenta (1%)
- Yellow (7%)
- Black (7%)



- Cyan (7%)
- Magenta (8%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.8458, 0.3229, 0.3436 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 81.8458, 0.3229, 0.3436 by changing the saturation by 10% instead.

81.8458, 0.3229,
0.3436

81.8458, 0.3229,
0.3436

501.1318, 0.3183,
0.3370

61.2384, 0.3239,
0.3451

135.9577, 0.3213,
0.3413

44.4176, 0.3252,
0.3469

170.2311, 0.3207,
0.3404

30.9990, 0.3268,
0.3492

209.8286, 0.3202,
0.3397

20.5981, 0.3288,
0.3522

255.1346, 0.3197,
0.3390

12.8305, 0.3315,
0.3562

306.5335, 0.3193,
0.3384

7.3119, 0.3353,
0.3619

364.4098, 0.3189,

3.6579, 0.3411,

0.3379

0.3706

429.1477, 0.3186,
0.3374

■ 1.4841, 0.3507,
0.3853

■ 0.2775, 0.4430,
0.5570

■ 81.8458, 0.3229,
0.3436

■ 81.8458, 0.3229,
0.3436

■ 79.0910, 0.3387,
0.3659

■ 84.8098, 0.3080,
0.3222

■ 76.5273, 0.3551,
0.3885

■ 87.1705, 0.3012,
0.3137

■ 74.1501, 0.3716,
0.4107

■ 88.8429, 0.3011,
0.3165

■ 71.9510, 0.3878,
0.4317

■ 90.5413, 0.3011,
0.3194

69.9204, 0.4029,
0.4504

92.2658, 0.3011,
0.3222

68.0481, 0.4162,
0.4659

94.0165, 0.3011,
0.3250

66.3222, 0.4273,
0.4773

95.7935, 0.3011,
0.3278

64.7290, 0.4355,
0.4842

96.5620, 0.3011,
0.3290

63.2511, 0.4410,
0.4866

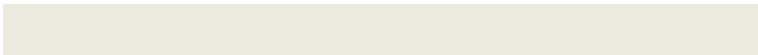
Harmonies

Analogous

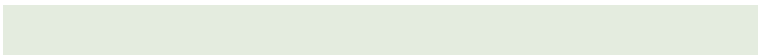
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.8458, 0.3281, 0.3408



81.8458, 0.3229, 0.3436



81.8458, 0.3150, 0.3424

Triad

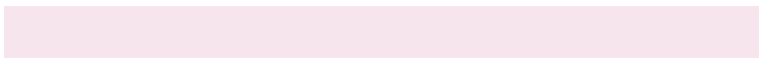
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.8458, 0.3229, 0.3436



81.8458, 0.2966, 0.3228



81.8458, 0.3187, 0.3208

Complementary

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



81.8458, 0.3229, 0.3436



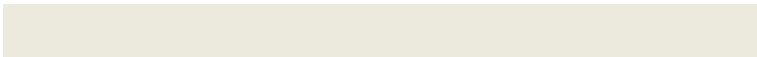
73.4497, 0.3024, 0.3140

Split Complementary

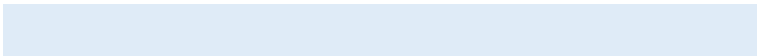
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.8458, 0.3102, 0.3161



81.8458, 0.3229, 0.3436



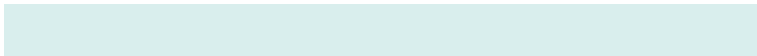
81.8458, 0.2976, 0.3171

Square

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



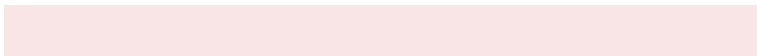
81.8458, 0.3229, 0.3436



81.8458, 0.2999, 0.3302



81.8458, 0.3025, 0.3147



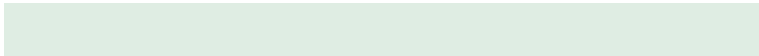
81.8458, 0.3257, 0.3276

Rectangle

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



81.8458, 0.3229, 0.3436



81.8458, 0.3094, 0.3395



81.8458, 0.3025, 0.3147



81.8458, 0.3160, 0.3189

Sweetspot

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



81.8494, 0.3229, 0.3436



99.2871, 0.3157, 0.3333



74.2784, 0.3228, 0.3268



21.2590, 0.3155, 0.3331



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.



81.8494, 0.3229, 0.3436



97.2073, 0.3249, 0.3464



81.9579, 0.3187, 0.3457



17.3013, 0.3271, 0.3496



34.7581, 0.4420, 0.4872



2.8162, 0.4384, 0.4901

Inverse Universe

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



73.4497, 0.3024, 0.3140



85.4065, 0.3003, 0.3110



73.3706, 0.3064, 0.3121



14.8392, 0.2980, 0.3076



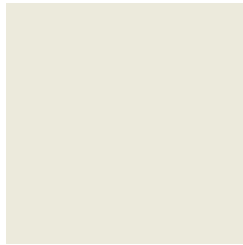
3.8994, 0.1525, 0.0689



0.4013, 0.1576, 0.0872

Previews

White Background



This preview shows how the Yxy color 81.8458, 0.3229, 0.3436 looks on a white background.

Color Contrast Check

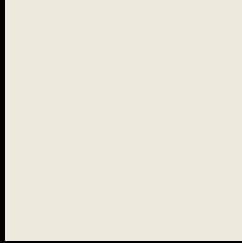
Large Text (above 18pt) WCAG AA × Fail

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 81.8458, 0.3229, 0.3436 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

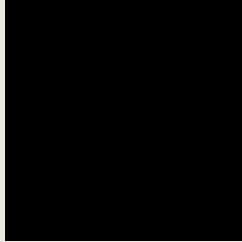
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

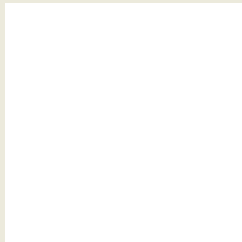
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.8458, 0.3229, 0.3436

Background



This preview shows how black text looks on a background with the Yxy color 81.8458, 0.3229, 0.3436.

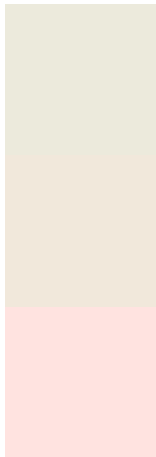


This preview shows how white text looks on a background with the Yxy color 81.8458, 0.3229, 0.3436.

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

81.8458, 0.3229, 0.3436

Protanopia

81.5285, 0.3273, 0.3424

Deuteranopia

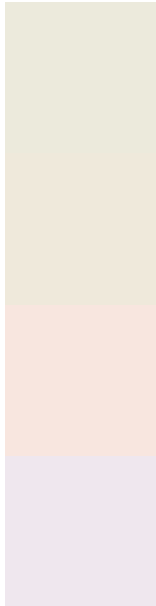
81.5800, 0.3344, 0.3321



Tritanopia

81.8962, 0.3082, 0.3109

Trichromacy



Original Color

81.8458, 0.3229, 0.3436

Protanomaly

81.7430, 0.3258, 0.3435

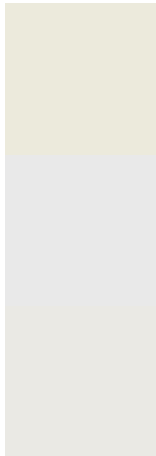
Deuteranomaly

81.8778, 0.3298, 0.3361

Tritanomaly

81.6756, 0.3137, 0.3219

Monochromacy



Original Color

81.8458, 0.3229, 0.3436

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.3717, 0.3165, 0.3342

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.8458, 0.3229, 0.3436 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, 234, 220)` looks like.

```
.text, #text, p{  
    color:rgb(236, 234, 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, 234, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 234, 220) }
```

Border

The CSS property to change the border of an element to Yxy 81.8458, 0.3229, 0.3436 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, 234, 220) }
```

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

```
.border{ border-color:rgb(236, 234, 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, 234, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 234, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 234, 220);  
box-shadow:4px 4px 4px 4px rgb(236, 234,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 81.8458, 0.3229, 0.3436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 234, 220) }
```

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

```
.background{ background-color: rgb(236,  
234, 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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