

Converting Colors

$Y_{xy}(83.2332, 0.3240, 0.3478)$

Have a look what the booklet for
Yxy(83.2332, 0.3240, 0.3478)
contains.

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Color

Yxy(82.8857, 0.3240, 0.3477)

Conversions

Conversions Part 1

Format	Color
Hex	ECECDA
RGB	236, 236, 218
RGB Percent	93%, 93%, 85%
CMY	0.0746, 0.0745, 0.1451
CMYK	0.00, 0.00, 0.08, 0.07
HSL	60°, 32%, 89%
HSV	60°, 8%, 93%
XYZ	77.2360, 82.8857, 78.2611
YIQ	233.9480, 5.7780, -5.5980

Conversions

Conversions Part 2

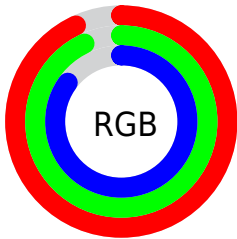
Format	Color
R _Y B	218, 236, 218
Decimal	15527130
CIE Lab	92.96, -3.09, 8.72
CIE LCh	93, 9.247, 109.516
Yxy	82.8857, 0.3240, 0.3477
Android (android.graphics.Color)	4293717210 (0xFFECECDA)
YUV	233.9480, -7.8624, 1.7996
Hunter-Lab	91.0416, -7.8905, 12.7623

Details

The Yxy color **82.8857, 0.3240, 0.3477** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **71.1162, 0.3010, 0.3096**, and the grayscale version is **82.2951, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.9902, 0.3265, 0.3518** is the 20% darker color. If you saturate the color by 10%, you get **81.7312, 0.3392, 0.3728**, and if you desaturate by 10%, it is **84.2234, 0.3093, 0.3233**.

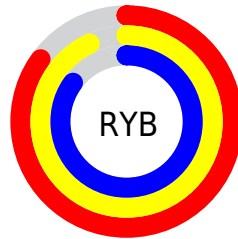
Distribution



Red (93%)

Green (93%)

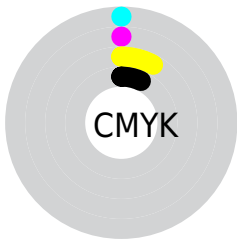
Blue (85%)



Red (85%)

Yellow (93%)

Blue (85%)

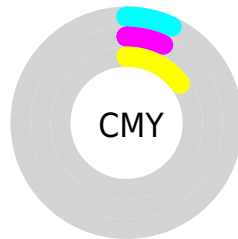


Cyan (0%)

Magenta (0%)

Yellow (8%)

Black (7%)



Cyan (7%)

Magenta (7%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.8857, 0.3240, 0.3477 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 82.8857, 0.3240, 0.3477 by changing the saturation by 10% instead.

82.8857, 0.3240,
0.3477

82.8857, 0.3240,
0.3477

504.6055, 0.3189,
0.3392

62.0959, 0.3251,
0.3496

137.4154, 0.3223,
0.3448

45.1102, 0.3265,
0.3520

171.9240, 0.3216,
0.3436

31.5442, 0.3282,
0.3549

211.7743, 0.3210,
0.3426

21.0136, 0.3304,
0.3587

257.3508, 0.3205,
0.3418

13.1339, 0.3334,
0.3639

309.0377, 0.3200,
0.3410

7.5208, 0.3375,
0.3711

367.2195, 0.3196,

3.7899, 0.3436,

0.3403

0.3822

432.2807, 0.3192,
0.3397

■ 1.5567, 0.3535,
0.4010

■ 0.3282, 0.4188,
0.5812

■ 82.8857, 0.3240,
0.3477

■ 82.8857, 0.3240,
0.3477

■ 81.7312, 0.3392,
0.3728

■ 84.2234, 0.3093,
0.3233

■ 80.7416, 0.3544,
0.3980


■ 85.0652, 0.3013,
0.3100

■ 79.9127, 0.3691,
0.4225


■ 85.0743, 0.3013,
0.3100


■ 79.2358, 0.3827,
0.4451


■ 85.0834, 0.3013,
0.3100


 78.7017, 0.3947,
0.4651


 85.0925, 0.3014,
0.3100


 78.2998, 0.4045,
0.4814


 85.1016, 0.3014,
0.3100


 78.0186, 0.4118,
0.4935

 85.1107, 0.3014,
0.3100

 77.8440, 0.4164,
0.5012

 85.1198, 0.3015,
0.3100

 77.7575, 0.4186,
0.5050

 85.1289, 0.3015,
0.3100

Harmonies

Analogous

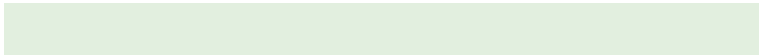
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.8857, 0.3314, 0.3449



82.8857, 0.3240, 0.3477



82.8857, 0.3137, 0.3453

Triad

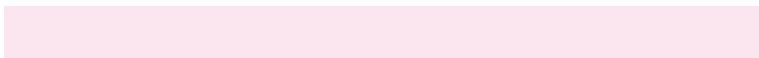
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.8857, 0.3240, 0.3477



82.8857, 0.2921, 0.3195



82.8857, 0.3221, 0.3200

Complementary

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



82.8857, 0.3240, 0.3477



71.1162, 0.3010, 0.3096

Split Complementary

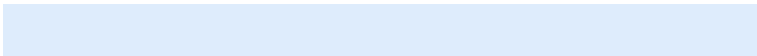
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.8857, 0.3115, 0.3134



82.8857, 0.3240, 0.3477



82.8857, 0.2943, 0.3130

Square

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



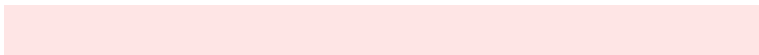
82.8857, 0.3240, 0.3477



82.8857, 0.2954, 0.3287



82.8857, 0.3013, 0.3109



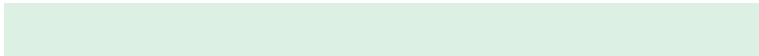
82.8857, 0.3303, 0.3289

Rectangle

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



82.8857, 0.3240, 0.3477



82.8857, 0.3065, 0.3410



82.8857, 0.3013, 0.3109



82.8857, 0.3187, 0.3174

Sweetspot

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



82.8893, 0.3240, 0.3477



99.6737, 0.3157, 0.3339



73.0440, 0.3258, 0.3290



21.3377, 0.3155, 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.



82.8893, 0.3240, 0.3477



98.5992, 0.3261, 0.3512



81.3936, 0.3179, 0.3480



17.6252, 0.3268, 0.3523



42.8487, 0.4189, 0.5056



3.3652, 0.4190, 0.5055

Inverse Universe

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



71.1162, 0.3010, 0.3096



82.1342, 0.2987, 0.3058



72.5360, 0.3072, 0.3100



14.5506, 0.2980, 0.3046



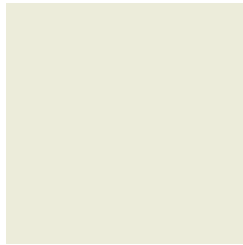
3.3409, 0.1501, 0.0600



0.2629, 0.1503, 0.0602

Previews

White Background



This preview shows how the Yxy color 82.8857, 0.3240, 0.3477 looks on a white background.

Color Contrast Check

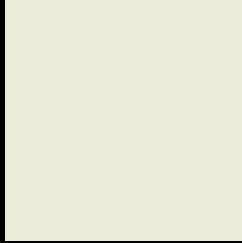
Large Text (above 18pt) WCAG AA × Fail

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 82.8857, 0.3240, 0.3477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

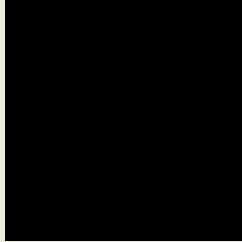
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

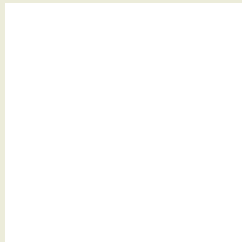
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.8857, 0.3240, 0.3477

Background



This preview shows how black text looks on a background with the Yxy color 82.8857, 0.3240, 0.3477.

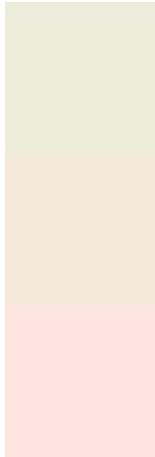


This preview shows how white text looks on a background with the Yxy color 82.8857, 0.3240, 0.3477.

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

82.8857, 0.3240, 0.3477

Protanopia

82.9101, 0.3297, 0.3465

Deuteranopia

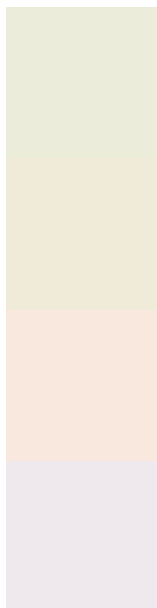
82.6804, 0.3342, 0.3340



Tritanopia

82.7547, 0.3076, 0.3100

Trichromacy



Original Color

82.8857, 0.3240, 0.3477

Protanomaly

82.9517, 0.3275, 0.3476

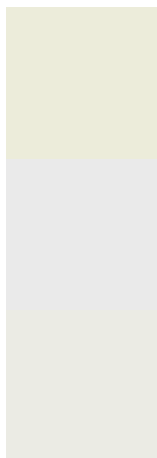
Deuteranomaly

82.9436, 0.3302, 0.3392

Tritanomaly

82.8016, 0.3136, 0.3239

Monochromacy



Original Color

82.8857, 0.3240, 0.3477

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.6803, 0.3171, 0.3362

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.8857, 0.3240, 0.3477 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, 236, 218)` looks like.

```
.text, #text, p{  
    color:rgb(236, 236, 218)  
}
```

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, 236, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 236, 218) }
```

Border

The CSS property to change the border of an element to Yxy 82.8857, 0.3240, 0.3477 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, 236, 218) }
```

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

```
.border{ border-color:rgb(236, 236, 218) }
```

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

Here you see how a box with a 4 pixel rgb(236, 236, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 236, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 236, 218);  
box-shadow:4px 4px 4px 4px rgb(236, 236,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 82.8857, 0.3240, 0.3477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 236, 218) }
```

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

```
.background{ background-color: rgb(236,  
236, 218) }
```

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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