

Converting Colors

$Yxy(82.1995, 0.3183, 0.3409)$

Have a look what the booklet for
Yxy(82.1995, 0.3183, 0.3409)
contains.

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Color

Yxy(82.1221, 0.3183, 0.3405)

Conversions

Conversions Part 1

Format	Color
Hex	E9EBE0
RGB	233, 235, 224
RGB Percent	91%, 92%, 88%
CMY	0.0862, 0.0784, 0.1218
CMYK	0.01, 0.00, 0.05, 0.08
HSL	71°, 22%, 90%
HSV	71°, 5%, 92%
XYZ	76.7679, 82.1221, 82.2909
YIQ	233.1480, 2.3390, -3.8450

Conversions

Conversions Part 2

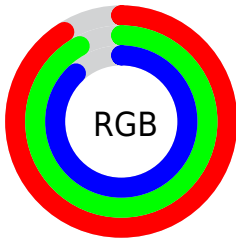
Format	Color
R_{YB}	224, 235, 226
Decimal	15330272
CIE _{Lab}	92.63, -2.59, 5.11
CIE _{LCh}	93, 5.731, 116.836
Yxy	82.1221, 0.3183, 0.3405
Android (android.graphics.Color)	4293520352 (0xFFE9EBE0)
YUV	233.1480, -4.5100, -0.1298
Hunter-Lab	90.6212, -7.3747, 9.5951

Details

The Yxy color **82.1221, 0.3183, 0.3405** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **75.4412, 0.3070, 0.3173**, and the grayscale version is **81.6387, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.4519, 0.3191, 0.3425** is the 20% darker color. If you saturate the color by 10%, you get **80.2386, 0.3304, 0.3659**, and if you desaturate by 10%, it is **84.2058, 0.3065, 0.3165**.

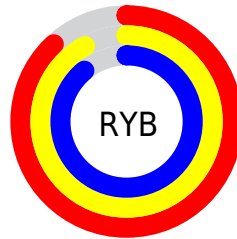
Distribution



Red (91%)

Green (92%)

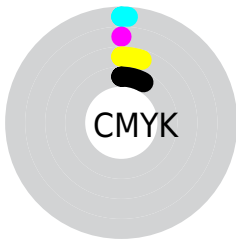
Blue (88%)



Red (88%)

Yellow (92%)

Blue (89%)

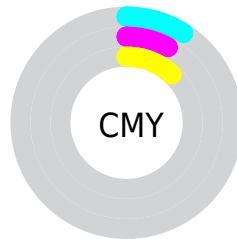


Cyan (1%)

Magenta (0%)

Yellow (5%)

Black (8%)



Cyan (9%)

Magenta (8%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.1221, 0.3183, 0.3405 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 82.1221, 0.3183, 0.3405 by changing the saturation by 10% instead.

82.1221, 0.3183,
0.3405

82.1221, 0.3183,
0.3405

502.0560, 0.3158,
0.3353

61.4662, 0.3189,
0.3417

136.3452, 0.3174,
0.3387

44.6015, 0.3195,
0.3431

170.6812, 0.3171,
0.3380

31.1437, 0.3204,
0.3449

210.3460, 0.3168,
0.3374

20.7083, 0.3215,
0.3473

255.7240, 0.3166,
0.3369

12.9109, 0.3230,
0.3505

307.1996, 0.3163,
0.3364

7.3672, 0.3250,
0.3550

365.1572, 0.3161,

3.6928, 0.3281,

0.3360

429.9812, 0.3159,
0.3356

0.3618

■ 1.5033, 0.3333,
0.3737

■ 0.2910, 0.4231,
0.5769

■ 82.1221, 0.3183,
0.3405

■ 82.1221, 0.3183,
0.3405

■ 80.2386, 0.3304,
0.3659

■ 84.2058, 0.3065,
0.3165

■ 78.5374, 0.3425,
0.3922

■ 85.4153, 0.3047,
0.3092


■ 77.0141, 0.3542,
0.4187

■ 86.1653, 0.3075,
0.3094

■ 75.6604, 0.3649,
0.4445


■ 86.9325, 0.3102,
0.3095

 74.4671, 0.3743,
0.4685

 87.7170, 0.3130,
0.3097

 73.4243, 0.3816,
0.4896

 87.8983, 0.3136,
0.3097

 72.5205, 0.3865,
0.5068

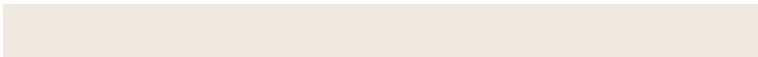
 71.7427, 0.3887,
0.5194

 71.0747, 0.3884,
0.5275

Harmonies

Analogous

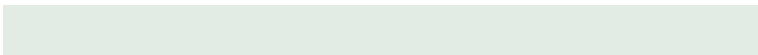
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.1221, 0.3235, 0.3396



82.1221, 0.3183, 0.3405



82.1221, 0.3117, 0.3382

Triad

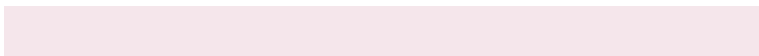
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.1221, 0.3183, 0.3405



82.1221, 0.2999, 0.3219



82.1221, 0.3200, 0.3247

Complementary

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



82.1221, 0.3183, 0.3405



75.4412, 0.3070, 0.3173

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.



82.1221, 0.3137, 0.3201



82.1221, 0.3183, 0.3405



82.1221, 0.3021, 0.3184

Square

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



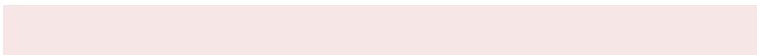
82.1221, 0.3183, 0.3405



82.1221, 0.3011, 0.3274



82.1221, 0.3071, 0.3178



82.1221, 0.3245, 0.3304

Rectangle

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



82.1221, 0.3183, 0.3405



82.1221, 0.3074, 0.3352



82.1221, 0.3071, 0.3178



82.1221, 0.3180, 0.3229

Sweetspot

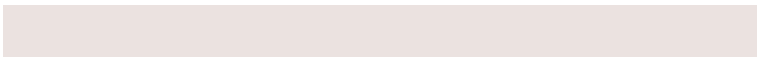
The Sweet Spot groups the original color and five complimentary colors.



82.1257, 0.3183, 0.3405



99.7504, 0.3139, 0.3314



77.3227, 0.3204, 0.3309



21.3533, 0.3138, 0.3313



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.



82.1257, 0.3183, 0.3405



98.5382, 0.3199, 0.3438



81.2320, 0.3146, 0.3406



17.6001, 0.3206, 0.3453



39.4266, 0.3881, 0.5300



3.1315, 0.3927, 0.5264

Inverse Universe

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



75.4412, 0.3070, 0.3173



88.3182, 0.3053, 0.3139



76.3261, 0.3107, 0.3175



15.5986, 0.3045, 0.3124



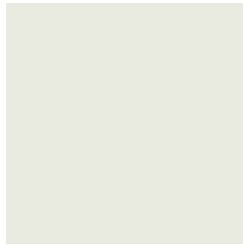
3.6515, 0.1582, 0.0645



0.3239, 0.1702, 0.0711

Previews

White Background



This preview shows how the Yxy color 82.1221, 0.3183, 0.3405 looks on a white background.

Color Contrast Check

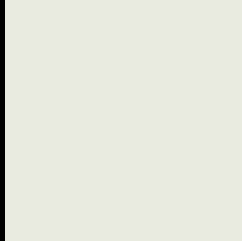
Large Text (above 18pt) WCAG AA × Fail

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 82.1221, 0.3183, 0.3405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

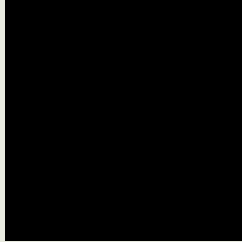
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

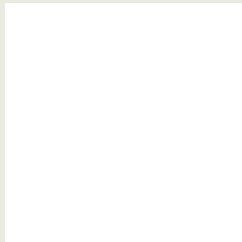
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.1221, 0.3183, 0.3405

Background



This preview shows how black text looks on a background with the Yxy color 82.1221, 0.3183, 0.3405.

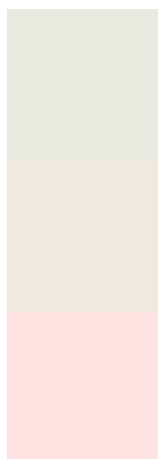


This preview shows how white text looks on a background with the Yxy color 82.1221, 0.3183, 0.3405.

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

82.1221, 0.3183, 0.3405

Protanopia

82.1308, 0.3239, 0.3393

Deuteranopia

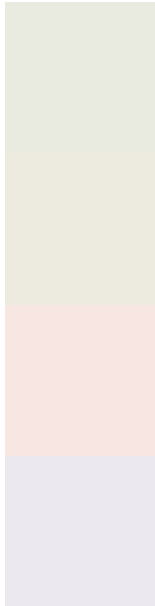
81.7442, 0.3324, 0.3291



Tritanopia

81.9959, 0.3055, 0.3108

Trichromacy



Original Color

82.1221, 0.3183, 0.3405

Protanomaly

82.1779, 0.3217, 0.3404

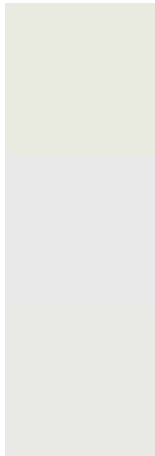
Deuteranomaly

81.8588, 0.3271, 0.3331

Tritanomaly

81.8374, 0.3104, 0.3208

Monochromacy



Original Color

82.1221, 0.3183, 0.3405

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.8824, 0.3145, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.1221, 0.3183, 0.3405 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(233, 235, 224)` looks like.

```
.text, #text, p{  
    color:rgb(233, 235, 224)  
}
```

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(233, 235, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 235, 224) }
```

Border

The CSS property to change the border of an element to Yxy 82.1221, 0.3183, 0.3405 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(233, 235, 224) }
```

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

```
.border{ border-color:rgb(233, 235, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 235, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 235, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 235, 224);  
box-shadow:4px 4px 4px 4px rgb(233, 235,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 82.1221, 0.3183, 0.3405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 235, 224) }
```

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

```
.background{ background-color: rgb(233,  
235, 224) }
```

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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