

Converting Colors

$Yxy(82.9788, 0.3417, 0.3873)$

Have a look what the booklet for
Yxy(82.9788, 0.3417, 0.3873)
contains.

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Color

Yxy(82.9788, 0.3417, 0.3873)

Conversions

Conversions Part 1

Format	Color
Hex	E8F0B9
RGB	232, 240, 185
RGB Percent	91%, 94%, 73%
CMY	0.0900, 0.0589, 0.2745
CMYK	0.03, 0.00, 0.23, 0.06
HSL	69°, 65%, 83%
HSV	69°, 23%, 94%
XYZ	73.2090, 82.9788, 58.0616
YIQ	231.3380, 12.8870, -18.8010

Conversions

Conversions Part 2

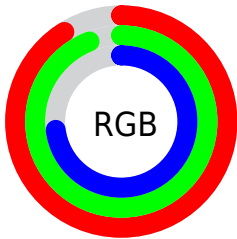
Format	Color
R_{YB}	185, 240, 193
Decimal	15265977
CIE _{Lab}	93.01, -11.52, 25.76
CIE _{LCh}	93, 28.215, 114.096
Yxy	82.9788, 0.3417, 0.3873
Android (android.graphics.Color)	4293456057 (0xFFE8F0B9)
YUV	231.3380, -22.8446, 0.5806
Hunter-Lab	91.0927, -15.9560, 25.9740

Details

The Yxy color $82.9788, 0.3417, 0.3873$ is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be $52.3237, 0.2795, 0.2656$, and the grayscale version is $80.3504, 0.3127, 0.3290$.

A 20% lighter version of the original color is $99.1309, 0.3209, 0.3425$, and $45.1770, 0.3474, 0.4003$ is the 20% darker color. If you saturate the color by 10%, you get $81.4785, 0.3541, 0.4135$, and if you desaturate by 10%, it is $84.6690, 0.3290, 0.3613$.

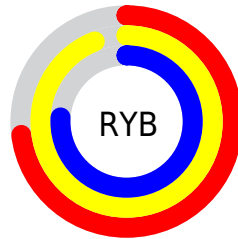
Distribution



Red (91%)

Green (94%)

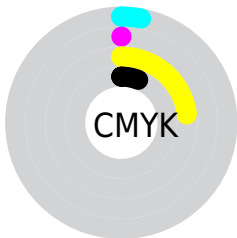
Blue (73%)



Red (73%)

Yellow (94%)

Blue (76%)

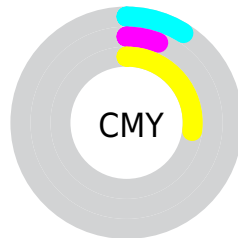


Cyan (3%)

Magenta (0%)

Yellow (23%)

Black (6%)



Cyan (9%)


Magenta (6%)


Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.9788, 0.3417, 0.3873 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 82.9788, 0.3417, 0.3873 by changing the saturation by 10% instead.

 82.9788, 0.3417,
0.3873

 82.9788, 0.3417,
0.3873


504.9159, 0.3290,
0.3605

 62.1727, 0.3444,
0.3934

 137.5458, 0.3374,
0.3780

 45.1722, 0.3477,
0.4008


172.0754, 0.3357,
0.3744

 31.5931, 0.3516,
0.4102


211.9483, 0.3342,
0.3713

 21.0509, 0.3565,
0.4223

257.5489, 0.3329,
0.3686

 13.1612, 0.3627,
0.4385

309.2615, 0.3318,
0.3662

 7.5397, 0.3703,
0.4610

367.4706, 0.3308,

 3.8018, 0.3795,

0.3641

0.4941

432.5606, 0.3298,
0.3622

■ 1.5633, 0.4156,
0.5844

■ 0.3327, 0.0952,
0.9048

■ 82.9788, 0.3417,
0.3873

■ 82.9788, 0.3417,
0.3873

■ 81.4785, 0.3541,
0.4135

■ 84.6690, 0.3290,
0.3613

■ 80.1484, 0.3658,
0.4391

■ 86.5460, 0.3163,
0.3361

■ 78.9828, 0.3760,
0.4629

■ 88.4912, 0.3053,
0.3142

■ 77.9713, 0.3843,
0.4839

■ 89.1116, 0.3075,
0.3143

■ 77.1024, 0.3903,
0.5011

■ 89.7438, 0.3097,
0.3144

■ 76.3626, 0.3936,
0.5138

■ 90.3877, 0.3120,
0.3145

■ 75.7358, 0.3944,
0.5220

■ 90.7946, 0.3134,
0.3146

■ 75.3423, 0.3937,
0.5256

Harmonies

Analogous

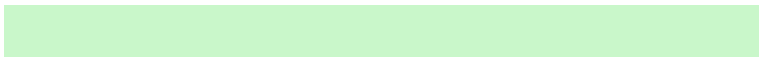
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.9788, 0.3670, 0.3790



82.9788, 0.3417, 0.3873



82.9788, 0.3095, 0.3782

Triad

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



82.9788, 0.3417, 0.3873



82.9788, 0.2518, 0.2950



82.9788, 0.3458, 0.3057

Complementary

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



82.9788, 0.3417, 0.3873



52.3237, 0.2795, 0.2656

Split Complementary

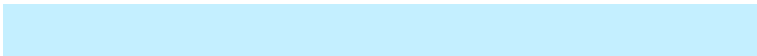
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.9788, 0.3133, 0.2858



82.9788, 0.3417, 0.3873



82.9788, 0.2602, 0.2789

Square

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



82.9788, 0.3417, 0.3873



82.9788, 0.2585, 0.3222



82.9788, 0.2821, 0.2760



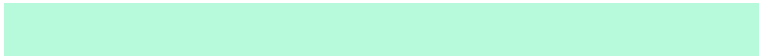
82.9788, 0.3698, 0.3315

Rectangle

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



82.9788, 0.3417, 0.3873



82.9788, 0.2886, 0.3630



82.9788, 0.2821, 0.2760



82.9788, 0.3354, 0.2982

Sweetspot

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



82.9825, 0.3417, 0.3873



98.4177, 0.3215, 0.3463



59.8761, 0.3582, 0.3371



21.0373, 0.3222, 0.3478



0.0000, 0.0000, 0.0000



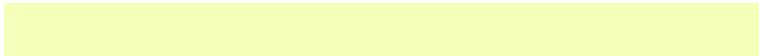
21.4041, 0.3127, 0.3290

Same Dimension

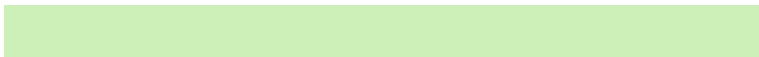
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.9825, 0.3417, 0.3873



94.4947, 0.3470, 0.3983



78.8212, 0.3230, 0.3909



18.3367, 0.3246, 0.3525



41.2924, 0.3941, 0.5253



3.4664, 0.3976, 0.5225

Inverse Universe

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



52.3237, 0.2795, 0.2656



54.1490, 0.2723, 0.2524



56.1824, 0.2997, 0.2692



15.3382, 0.3002, 0.3047



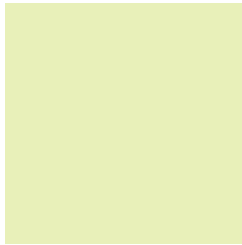
3.6703, 0.1558, 0.0632



0.3388, 0.1658, 0.0687

Previews

White Background



This preview shows how the Yxy color 82.9788, 0.3417, 0.3873 looks on a white background.

Color Contrast Check

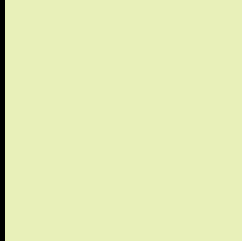
Large Text (above 18pt) WCAG AA × Fail

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 82.9788, 0.3417, 0.3873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

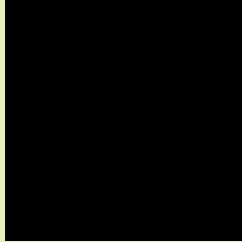
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

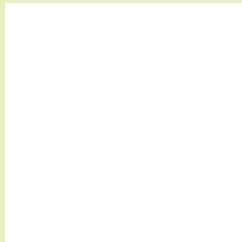
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.9788, 0.3417, 0.3873

Background



This preview shows how black text looks on a background with the Yxy color 82.9788, 0.3417, 0.3873.

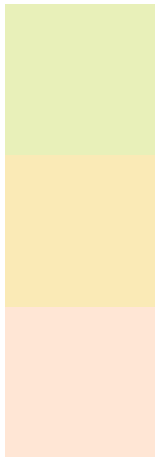


This preview shows how white text looks on a background with the Yxy color 82.9788, 0.3417, 0.3873.

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

82.9788, 0.3417, 0.3873

Protanopia

82.5470, 0.3579, 0.3822

Deuteranopia

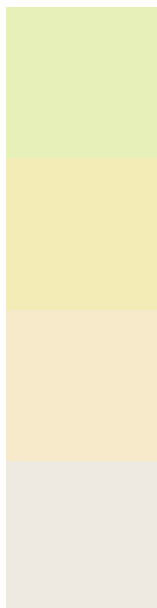
82.6577, 0.3415, 0.3461



Tritanopia

82.7547, 0.3076, 0.3100

Trichromacy



Original Color

82.9788, 0.3417, 0.3873

Protanomaly

82.4645, 0.3517, 0.3841

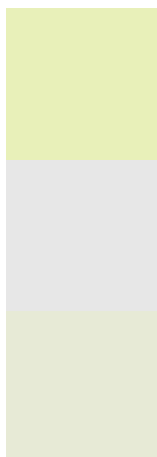
Deuteranomaly

82.9316, 0.3418, 0.3608

Tritanomaly

82.5138, 0.3205, 0.3372

Monochromacy



Original Color

82.9788, 0.3417, 0.3873

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.6896, 0.3233, 0.3501

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.9788, 0.3417, 0.3873 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, 240, 185)` looks like.

```
.text, #text, p{  
    color:rgb(232, 240, 185)  
}
```

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, 240, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 240, 185) }
```

Border

The CSS property to change the border of an element to Yxy 82.9788, 0.3417, 0.3873 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, 240, 185) }
```

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

```
.border{ border-color:rgb(232, 240, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 240, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 240, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 240, 185);  
box-shadow:4px 4px 4px 4px rgb(232, 240,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 82.9788, 0.3417, 0.3873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 240, 185) }
```

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

```
.background{ background-color: rgb(232,  
240, 185) }
```

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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