

Converting Colors

$Y_{xy}(82.6570, 0.3355, 0.3724)$

Have a look what the booklet for
Yxy(82.6570, 0.3355, 0.3724)
contains.

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Color

Yxy(82.6727, 0.3358, 0.3722)

Conversions

Conversions Part 1

Format	Color
Hex	EAEEC5
RGB	234, 238, 197
RGB Percent	92%, 93%, 77%
CMY	0.0823, 0.0667, 0.2274
CMYK	0.02, 0.00, 0.17, 0.07
HSL	66°, 55%, 85%
HSV	66°, 17%, 93%
XYZ	74.5876, 82.6727, 64.8588
YIQ	232.1300, 10.7770, -13.5990

Conversions

Conversions Part 2

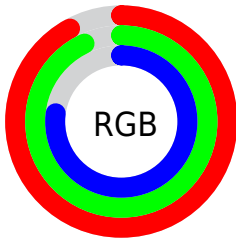
Format	Color
RYB	197, 238, 201
Decimal	15396549
CIELab	92.87, -8.08, 19.43
CIELCh	93, 21.042, 112.587
Yxy	82.6727, 0.3358, 0.3722
Android (android.graphics.Color)	4293586629 (0xFFEAEEC5)
YUV	232.1300, -17.3191, 1.6400
Hunter-Lab	90.9245, -12.6901, 21.3541

Details

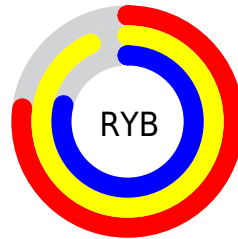
The Yxy color $82.6727, 0.3358, 0.3722$ is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be $58.5326, 0.2873, 0.2827$, and the grayscale version is $80.9283, 0.3127, 0.3290$.

A 20% lighter version of the original color is $99.9358, 0.3133, 0.3300$, and $44.9040, 0.3408, 0.3822$ is the 20% darker color. If you saturate the color by 10%, you get $81.2799, 0.3493, 0.3981$, and if you desaturate by 10%, it is $84.2502, 0.3223, 0.3468$.

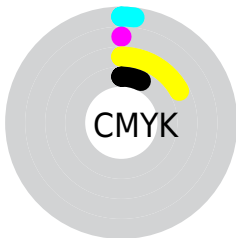
Distribution



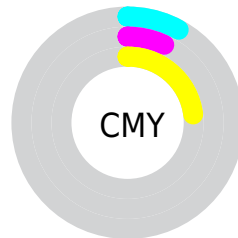
- Red (92%)
- Green (93%)
- Blue (77%)



- Red (77%)
- Yellow (93%)
- Blue (79%)



- Cyan (2%)
- Magenta (0%)
- Yellow (17%)
- Black (7%)



- Cyan (8%)
- Magenta (7%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.6727, 0.3358, 0.3722 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 82.6727, 0.3358, 0.3722 by changing the saturation by 10% instead.

82.6727, 0.3358,
0.3722

82.6727, 0.3358,
0.3722

503.8951, 0.3255,
0.3524

61.9202, 0.3380,
0.3767

137.1170, 0.3323,
0.3654

44.9682, 0.3407,
0.3822

171.5775, 0.3309,
0.3627

31.4324, 0.3441,
0.3891

211.3761, 0.3298,
0.3604

20.9283, 0.3483,
0.3981

256.8973, 0.3287,
0.3584

13.0716, 0.3538,
0.4101

308.5254, 0.3278,
0.3566

7.4779, 0.3610,
0.4271

366.6448, 0.3269,

3.7627, 0.3709,

0.3550

431.6399, 0.3262,
0.3536

0.4526

■ 1.5417, 0.4085,
0.5257

■ 0.3178, 0.2480,
0.7520

■ 82.6727, 0.3358,
0.3722

■ 82.6727, 0.3358,
0.3722

■ 81.2799, 0.3493,
0.3981

■ 84.2502, 0.3223,
0.3468

■ 80.0527, 0.3623,
0.4236

■ 86.0090, 0.3091,
0.3223


■ 78.9861, 0.3743,
0.4478


■ 87.0653, 0.3044,
0.3122


■ 78.0706, 0.3846,
0.4697


■ 87.4760, 0.3059,
0.3123

 77.2956, 0.3928,
0.4881


 87.8919, 0.3074,
0.3123


 76.6490, 0.3985,
0.5025

 88.3130, 0.3089,
0.3124

 76.1170, 0.4015,
0.5123

 88.7394, 0.3104,
0.3125

 75.6810, 0.4021,
0.5178

 89.1710, 0.3119,
0.3126

 75.5688, 0.4021,
0.5190

 89.6080, 0.3134,
0.3127

Harmonies

Analogous

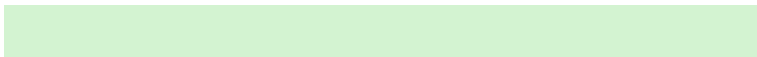
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.6727, 0.3540, 0.3661



82.6727, 0.3358, 0.3722



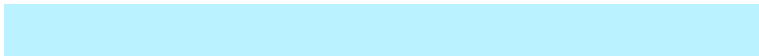
82.6727, 0.3118, 0.3658

Triad

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



82.6727, 0.3358, 0.3722



82.6727, 0.2666, 0.3048



82.6727, 0.3364, 0.3106

Complementary

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



82.6727, 0.3358, 0.3722



58.5326, 0.2873, 0.2827

Split Complementary

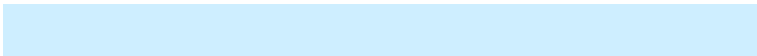
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.6727, 0.3121, 0.2956



82.6727, 0.3358, 0.3722



82.6727, 0.2725, 0.2917

Square

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



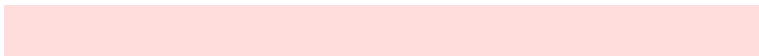
82.6727, 0.3358, 0.3722



82.6727, 0.2725, 0.3254



82.6727, 0.2888, 0.2887



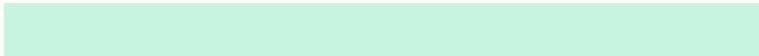
82.6727, 0.3546, 0.3303

Rectangle

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



82.6727, 0.3358, 0.3722



82.6727, 0.2960, 0.3551



82.6727, 0.2888, 0.2887



82.6727, 0.3286, 0.3049

Sweetspot

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



82.6763, 0.3358, 0.3722



98.9710, 0.3193, 0.3413



63.7188, 0.3452, 0.3328



21.1539, 0.3203, 0.3430



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

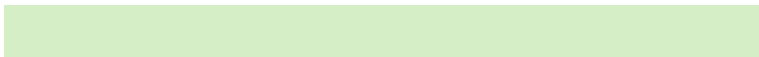
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.6763, 0.3358, 0.3722



96.0420, 0.3410, 0.3822



79.4928, 0.3220, 0.3741



18.3762, 0.3253, 0.3524



42.1906, 0.4023, 0.5187



3.5324, 0.4047, 0.5169

Inverse Universe

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



58.5326, 0.2873, 0.2827



62.4211, 0.2808, 0.2710



61.4740, 0.3019, 0.2846



15.3024, 0.2995, 0.3047



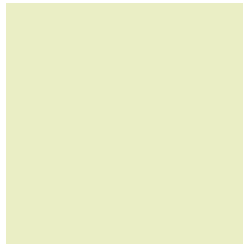
3.5715, 0.1533, 0.0618



0.3218, 0.1607, 0.0659

Previews

White Background



This preview shows how the Yxy color 82.6727, 0.3358, 0.3722 looks on a white background.

Color Contrast Check

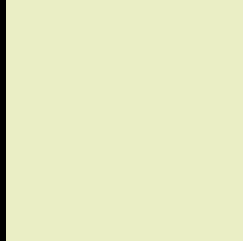
Large Text (above 18pt) WCAG AA × Fail

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 82.6727, 0.3358, 0.3722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

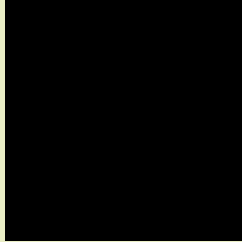
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

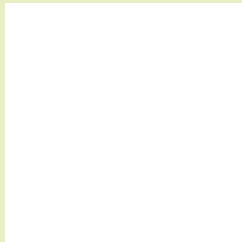
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.6727, 0.3358, 0.3722

Background



This preview shows how black text looks on a background with the Yxy color 82.6727, 0.3358, 0.3722.



This preview shows how white text looks on a background with the Yxy color 82.6727, 0.3358, 0.3722.

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

82.6727, 0.3358, 0.3722

Protanopia

82.5599, 0.3471, 0.3691

Deuteranopia

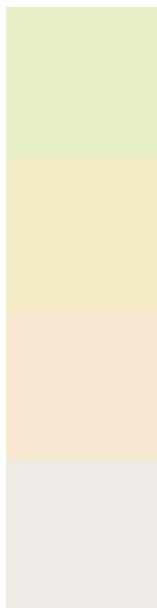
82.2049, 0.3403, 0.3431



Tritanopia

82.6922, 0.3082, 0.3110

Trichromacy



Original Color

82.6727, 0.3358, 0.3722

Protanomaly

82.2794, 0.3426, 0.3695

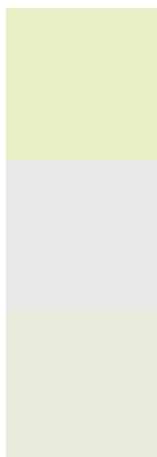
Deuteranomaly

82.0414, 0.3388, 0.3536

Tritanomaly

82.7360, 0.3179, 0.3331

Monochromacy



Original Color

82.6727, 0.3358, 0.3722

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.2837, 0.3215, 0.3447

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.6727, 0.3358, 0.3722 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(234, 238, 197)` looks like.

```
.text, #text, p{  
    color:rgb(234, 238, 197)  
}
```

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(234, 238, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 238, 197) }
```

Border

The CSS property to change the border of an element to Yxy 82.6727, 0.3358, 0.3722 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(234, 238, 197) }
```

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

```
.border{ border-color:rgb(234, 238, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 238, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 238, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 238, 197);  
box-shadow:4px 4px 4px 4px rgb(234, 238,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 82.6727, 0.3358, 0.3722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 238, 197) }
```

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

```
.background{ background-color: rgb(234,  
238, 197) }
```

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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