

Converting Colors

$Yxy(86.1421, 0.3221, 0.3564)$

Have a look what the booklet for
Yxy(86.1421, 0.3221, 0.3564)
contains.

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Color

Yxy(86.3827, 0.3226, 0.3570)

Conversions

Conversions Part 1

Format	Color
Hex	E9F3D8
RGB	233, 243, 216
RGB Percent	91%, 95%, 85%
CMY	0.0861, 0.0471, 0.1529
CMYK	0.04, 0.00, 0.11, 0.05
HSL	82°, 53%, 90%
HSV	82°, 11%, 95%
XYZ	78.0590, 86.3827, 77.5267
YIQ	236.9320, 2.7070, -10.5170

Conversions

Conversions Part 2

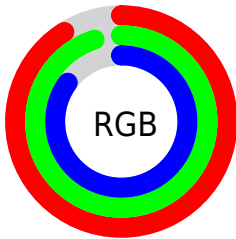
Format	Color
R _Y B	216, 243, 226
Decimal	15332312
CIE Lab	94.48, -7.95, 11.88
CIE LCh	94, 14.299, 123.789
Yxy	86.3827, 0.3226, 0.3570
Android (android.graphics.Color)	4293522392 (0xFFE9F3D8)
YUV	236.9320, -10.3195, -3.4484
Hunter-Lab	92.9423, -12.7331, 15.6036

Details

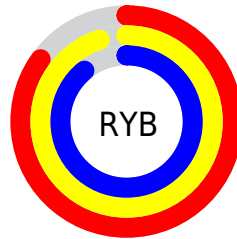
The Yxy color $86.3827, 0.3226, 0.3570$ is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be $71.7469, 0.3020, 0.3006$, and the grayscale version is $84.7191, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $47.4610, 0.3245, 0.3638$ is the 20% darker color. If you saturate the color by 10%, you get $83.7503, 0.3315, 0.3840$, and if you desaturate by 10%, it is $89.2851, 0.3137, 0.3317$.

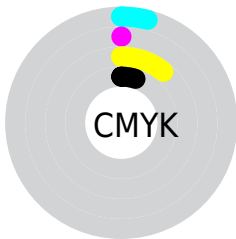
Distribution



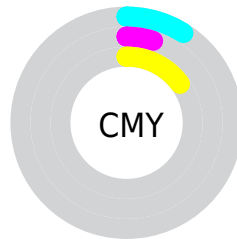
- Red (91%)
- Green (95%)
- Blue (85%)



- Red (85%)
- Yellow (95%)
- Blue (89%)



- Cyan (4%)
- Magenta (0%)
- Yellow (11%)
- Black (5%)



- Cyan (9%)
- Magenta (5%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.3827, 0.3226, 0.3570 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 86.3827, 0.3226, 0.3570 by changing the saturation by 10% instead.

86.3827, 0.3226,
0.3570

86.3827, 0.3226,
0.3570

516.1923, 0.3183,
0.3443

64.9845, 0.3235,
0.3599

142.3034, 0.3211,
0.3526

47.4485, 0.3247,
0.3634

177.5947, 0.3206,
0.3509

33.3903, 0.3261,
0.3678

218.2858, 0.3200,
0.3494

22.4256, 0.3278,
0.3735

264.7611, 0.3196,
0.3481

14.1700, 0.3301,
0.3812

317.4050, 0.3192,
0.3470

8.2390, 0.3332,
0.3920

376.6019, 0.3189,

4.2483, 0.3375,

0.3460

0.4085

442.7362, 0.3185,
0.3451

■ 1.8134, 0.3438,
0.4363

■ 0.4955, 0.3584,
0.6416

■ 86.3827, 0.3226,
0.3570

■ 86.3827, 0.3226,
0.3570

■ 83.7503, 0.3315,
0.3840

■ 89.2851, 0.3137,
0.3317

■ 81.3674, 0.3400,
0.4122

■ 91.8209, 0.3107,
0.3174

■ 79.2278, 0.3477,
0.4407

■ 92.5781, 0.3133,
0.3175

■ 77.3210, 0.3542,
0.4686

■ 75.6353, 0.3589,
0.4946

■ 74.1578, 0.3614,
0.5172

■ 72.8740, 0.3614,
0.5354

■ 71.7665, 0.3589,
0.5485

■ 70.9060, 0.3550,
0.5563

Harmonies

Analogous

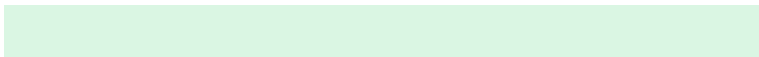
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.3827, 0.3366, 0.3563



86.3827, 0.3226, 0.3570



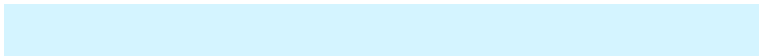
86.3827, 0.3062, 0.3497

Triad

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



86.3827, 0.3226, 0.3570



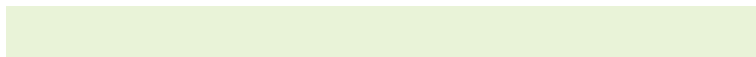
86.3827, 0.2821, 0.3089



86.3827, 0.3338, 0.3214

Complementary

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



86.3827, 0.3226, 0.3570



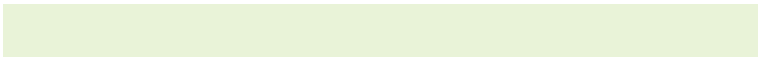
71.7469, 0.3020, 0.3006

Split Complementary

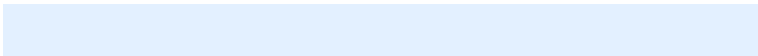
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.3827, 0.3187, 0.3096



86.3827, 0.3226, 0.3570



86.3827, 0.2890, 0.3023

Square

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



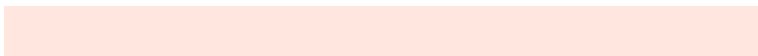
86.3827, 0.3226, 0.3570



86.3827, 0.2831, 0.3213



86.3827, 0.3023, 0.3026



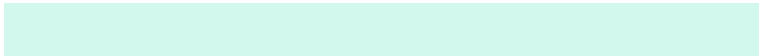
86.3827, 0.3433, 0.3354

Rectangle

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



86.3827, 0.3226, 0.3570



86.3827, 0.2962, 0.3413



86.3827, 0.3023, 0.3026



86.3827, 0.3292, 0.3171

Sweetspot

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



86.3864, 0.3226, 0.3570



98.9858, 0.3154, 0.3364



78.3506, 0.3314, 0.3393



21.1300, 0.3161, 0.3383



0.0000, 0.0000, 0.0000



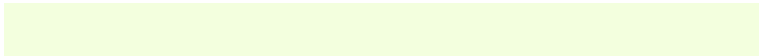
21.4041, 0.3127, 0.3290

Same Dimension

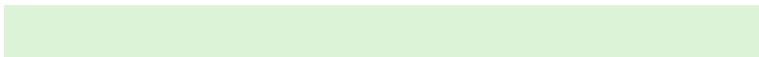
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.3864, 0.3226, 0.3570



95.8001, 0.3243, 0.3621



84.2100, 0.3137, 0.3578



18.9903, 0.3212, 0.3528



38.9968, 0.3560, 0.5555



3.4857, 0.3639, 0.5492

Inverse Universe

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



71.7469, 0.3020, 0.3006



76.8885, 0.3000, 0.2954



74.0044, 0.3114, 0.3014



16.2243, 0.3037, 0.3049



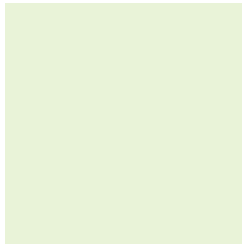
4.8045, 0.1796, 0.0763



0.4786, 0.1933, 0.0839

Previews

White Background



This preview shows how the Yxy color 86.3827, 0.3226, 0.3570 looks on a white background.

Color Contrast Check

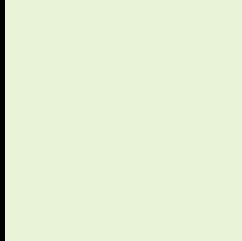
Large Text (above 18pt) WCAG AA × Fail

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 86.3827, 0.3226, 0.3570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

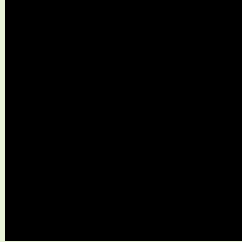
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

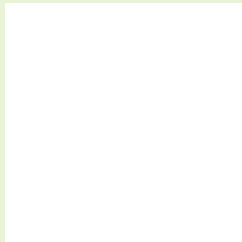
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.3827, 0.3226, 0.3570

Background



This preview shows how black text looks on a background with the Yxy color 86.3827, 0.3226, 0.3570.

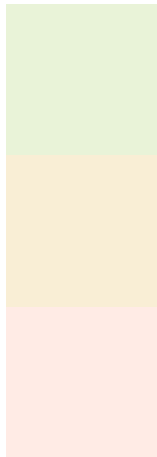


This preview shows how white text looks on a background with the Yxy color 86.3827, 0.3226, 0.3570.

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

86.3827, 0.3226, 0.3570

Protanopia

86.0929, 0.3360, 0.3543

Deuteranopia

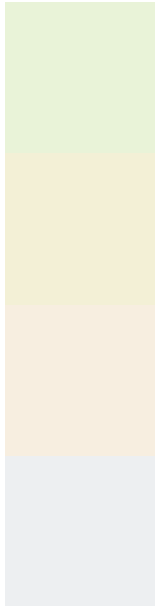
86.3338, 0.3302, 0.3350



Tritanopia

86.1391, 0.3031, 0.3111

Trichromacy



Original Color

86.3827, 0.3226, 0.3570

Protanomaly

86.2299, 0.3309, 0.3556

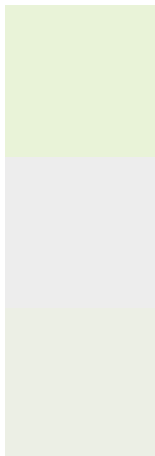
Deuteranomaly

86.3050, 0.3275, 0.3431

Tritanomaly

86.0884, 0.3102, 0.3270

Monochromacy



Original Color

86.3827, 0.3226, 0.3570

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

85.2230, 0.3169, 0.3393

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.3827, 0.3226, 0.3570 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, 243, 216)` looks like.

```
.text, #text, p{  
    color:rgb(233, 243, 216)  
}
```

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, 243, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 243, 216) }
```

Border

The CSS property to change the border of an element to Yxy 86.3827, 0.3226, 0.3570 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, 243, 216) }
```

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

```
.border{ border-color:rgb(233, 243, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 243, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 243, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 243, 216);  
box-shadow:4px 4px 4px 4px rgb(233, 243,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 86.3827, 0.3226, 0.3570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 243, 216) }
```

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

```
.background{ background-color: rgb(233,  
243, 216) }
```

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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