

Converting Colors

$Yxy(86.6745, 0.3134, 0.3415)$

Have a look what the booklet for
Yxy(86.6745, 0.3134, 0.3415)
contains.

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Color

Yxy(86.3732, 0.3134, 0.3413)

Conversions

Conversions Part 1

Format	Color
Hex	E8F2E6
RGB	232, 242, 230
RGB Percent	91%, 95%, 90%
CMY	0.0903, 0.0509, 0.0979
CMYK	0.04, 0.00, 0.05, 0.05
HSL	110°, 32%, 93%
HSV	110°, 5%, 95%
XYZ	79.3125, 86.3732, 87.3855
YIQ	237.6420, -2.1080, -5.8520

Conversions

Conversions Part 2

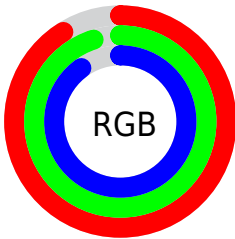
Format	Color
R _Y B	230, 242, 240
Decimal	15266534
CIE Lab	94.47, -5.44, 4.61
CIE LCh	94, 7.130, 139.751
Yxy	86.3732, 0.3134, 0.3413
Android (android.graphics.Color)	4293456614 (0xFFE8F2E6)
YUV	237.6420, -3.7675, -4.9480
Hunter-Lab	92.9372, -10.3083, 9.3078

Details

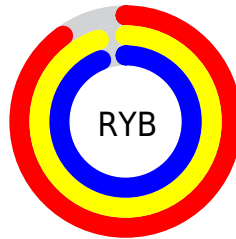
The Yxy color **86.3732, 0.3134, 0.3413** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **81.5680, 0.3120, 0.3169**, and the grayscale version is **85.2413, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.4431, 0.3129, 0.3436** is the 20% darker color. If you saturate the color by 10%, you get **81.9083, 0.3147, 0.3685**, and if you desaturate by 10%, it is **91.4264, 0.3120, 0.3172**.

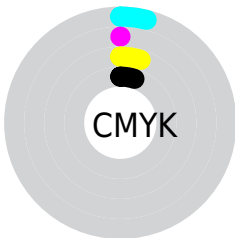
Distribution



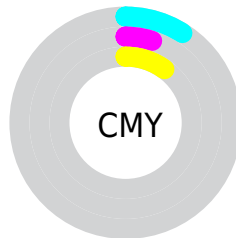
- Red (91%)
- Green (95%)
- Blue (90%)



- Red (90%)
- Yellow (95%)
- Blue (94%)



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




- Cyan (9%)
- Magenta (5%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.3732, 0.3134, 0.3413 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 86.3732, 0.3134, 0.3413 by changing the saturation by 10% instead.

 86.3732, 0.3134,
0.3413

 86.3732, 0.3134,
0.3413


516.1610, 0.3131,
0.3357

 64.9766, 0.3135,
0.3425


142.2902, 0.3133,
0.3394

 47.4421, 0.3135,
0.3441


177.5793, 0.3133,
0.3386

 33.3853, 0.3136,
0.3460


218.2682, 0.3132,
0.3380

 22.4218, 0.3137,
0.3484

264.7411, 0.3132,
0.3374

 14.1671, 0.3138,
0.3517

317.3824, 0.3132,
0.3369

 8.2370, 0.3140,
0.3564

376.5766, 0.3132,

 4.2470, 0.3141,

0.3365

442.7080, 0.3131,
0.3361

0.3635

■ 1.8127, 0.3143,
0.3754

■ 0.4950, 0.3217,
0.4716

■ 86.3732, 0.3134,
0.3413

■ 86.3732, 0.3134,
0.3413

■ 81.9083, 0.3147,
0.3685

■ 91.4264, 0.3120,
0.3172

■ 77.9994, 0.3157,
0.3988

■ 91.9894, 0.3133,
0.3166

■ 74.6281, 0.3163,
0.4315

■ 71.7706, 0.3163,
0.4658

■ 69.4013, 0.3156,
0.5001

■ 67.4922, 0.3142,
0.5322

■ 66.0128, 0.3119,
0.5595

■ 64.9283, 0.3090,
0.5801

■ 64.1982, 0.3057,
0.5927

Harmonies

Analogous

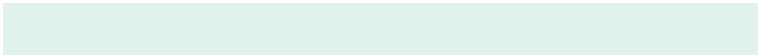
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.3732, 0.3213, 0.3432



86.3732, 0.3134, 0.3413



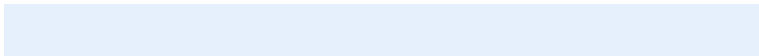
86.3732, 0.3054, 0.3360

Triad

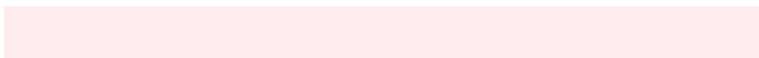
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.3732, 0.3134, 0.3413



86.3732, 0.2987, 0.3168



86.3732, 0.3261, 0.3290

Complementary

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



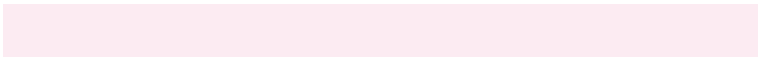
86.3732, 0.3134, 0.3413



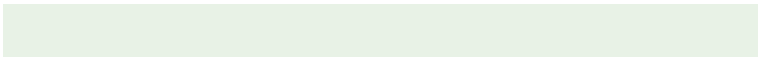
81.5680, 0.3120, 0.3169

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.



86.3732, 0.3200, 0.3222



86.3732, 0.3134, 0.3413



86.3732, 0.3041, 0.3152

Square

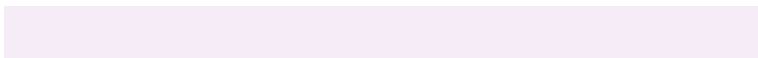
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



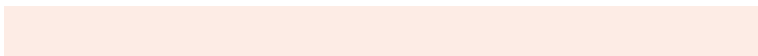
86.3732, 0.3134, 0.3413



86.3732, 0.2970, 0.3218



86.3732, 0.3119, 0.3171



86.3732, 0.3287, 0.3360

Rectangle

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



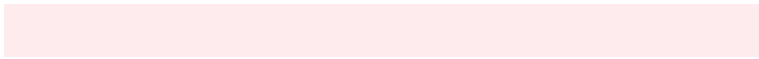
86.3732, 0.3134, 0.3413



86.3732, 0.3011, 0.3313



86.3732, 0.3119, 0.3171



86.3732, 0.3244, 0.3266

Sweetspot

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



86.3769, 0.3134, 0.3413



99.4336, 0.3129, 0.3314



86.9231, 0.3202, 0.3391



21.2889, 0.3128, 0.3313



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

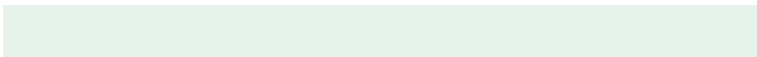
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.3769, 0.3134, 0.3413



96.7011, 0.3135, 0.3441



86.2820, 0.3097, 0.3372



18.0533, 0.3136, 0.3457



34.3859, 0.3048, 0.5962



2.8965, 0.3123, 0.5902

Inverse Universe

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



81.5680, 0.3120, 0.3169



90.1580, 0.3118, 0.3142



81.6711, 0.3158, 0.3209



16.7084, 0.3117, 0.3127



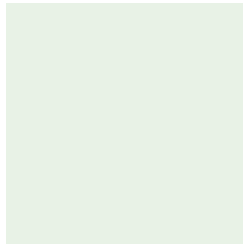
10.3083, 0.2804, 0.1318



0.8917, 0.2860, 0.1349

Previews

White Background



This preview shows how the Yxy color 86.3732, 0.3134, 0.3413 looks on a white background.

Color Contrast Check

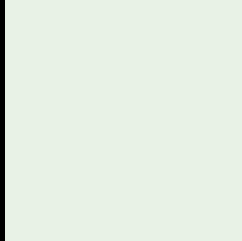
Large Text (above 18pt) WCAG AA × Fail

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 86.3732, 0.3134, 0.3413 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

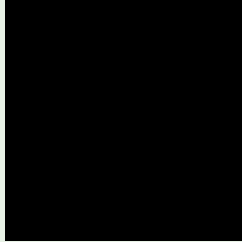
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

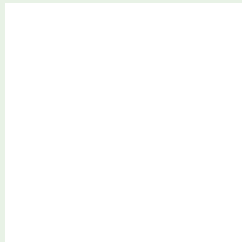
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.3732, 0.3134, 0.3413

Background



This preview shows how black text looks on a background with the Yxy color 86.3732, 0.3134, 0.3413.

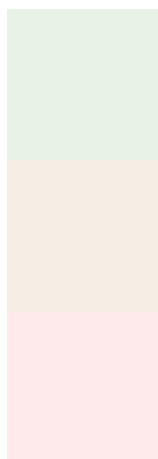


This preview shows how white text looks on a background with the Yxy color 86.3732, 0.3134, 0.3413.

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

86.3732, 0.3134, 0.3413

Protanopia

86.3433, 0.3243, 0.3391

Deuteranopia

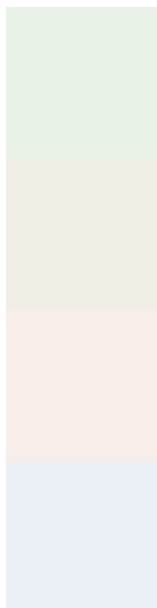
86.1038, 0.3264, 0.3281



Tritanopia

86.2019, 0.3012, 0.3120

Trichromacy



Original Color

86.3732, 0.3134, 0.3413

Protanomaly

86.0909, 0.3202, 0.3392

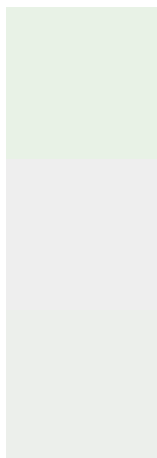
Deuteranomaly

86.2257, 0.3219, 0.3330

Tritanomaly

86.0490, 0.3059, 0.3219

Monochromacy



Original Color

86.3732, 0.3134, 0.3413

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.5640, 0.3132, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.3732, 0.3134, 0.3413 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, 242, 230)` looks like.

```
.text, #text, p{  
    color:rgb(232, 242, 230)  
}
```

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, 242, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 242, 230) }
```

Border

The CSS property to change the border of an element to Yxy 86.3732, 0.3134, 0.3413 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, 242, 230) }
```

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

```
.border{ border-color:rgb(232, 242, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 242, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 242, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 242, 230);  
box-shadow:4px 4px 4px 4px rgb(232, 242,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 86.3732, 0.3134, 0.3413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 242, 230) }
```

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

```
.background{ background-color: rgb(232,  
242, 230) }
```

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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