

Converting Colors

Yxy(86.3831, 0.3162, 0.3436)

Have a look what the booklet for
Yxy(86.3831, 0.3162, 0.3436)
contains.

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Color

Yxy(86.5981, 0.3160, 0.3434)

Conversions

Conversions Part 1

Format	Color
Hex	EAF2E4
RGB	234, 242, 228
RGB Percent	92%, 95%, 89%
CMY	0.0823, 0.0510, 0.1060
CMYK	0.03, 0.00, 0.06, 0.05
HSL	94°, 35%, 92%
HSV	94°, 6%, 95%
XYZ	79.6884, 86.5981, 85.8920
YIQ	238.0120, -0.2740, -6.0500

Conversions

Conversions Part 2

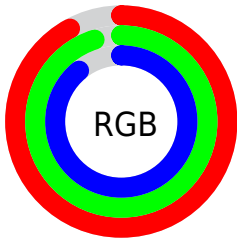
Format	Color
R _Y B	228, 242, 236
Decimal	15397604
CIE Lab	94.57, -5.11, 5.84
CIE LCh	95, 7.759, 131.214
Yxy	86.5981, 0.3160, 0.3434
Android (android.graphics.Color)	4293587684 (0xFFEAF2E4)
YUV	238.0120, -4.9359, -3.5185
Hunter-Lab	93.0581, -9.9968, 10.4164

Details

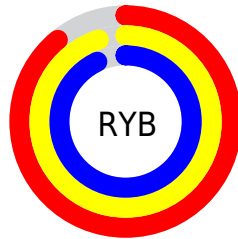
The Yxy color **86.5981, 0.3160, 0.3434** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **79.7076, 0.3093, 0.3147**, and the grayscale version is **85.5519, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.5999, 0.3161, 0.3462** is the 20% darker color. If you saturate the color by 10%, you get **83.1095, 0.3216, 0.3701**, and if you desaturate by 10%, it is **90.4635, 0.3103, 0.3191**.

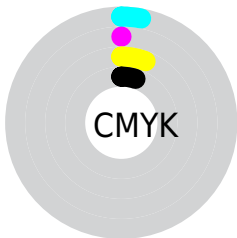
Distribution



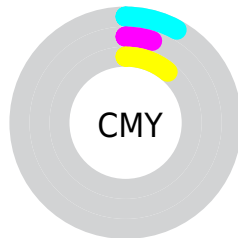
- Red (92%)
- Green (95%)
- Blue (89%)



- Red (89%)
- Yellow (95%)
- Blue (93%)



- Cyan (3%)
- Magenta (0%)
- Yellow (6%)
- Black (5%)





- Cyan (8%)
- Magenta (5%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.5981, 0.3160, 0.3434 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 86.5981, 0.3160, 0.3434 by changing the saturation by 10% instead.


 86.5981, 0.3160,
0.3434

 86.5981, 0.3160,
0.3434

516.9013, 0.3146,
0.3369

 65.1627, 0.3163,
0.3449


142.6038, 0.3155,
0.3412

 47.5930, 0.3167,
0.3466


177.9429, 0.3153,
0.3403

 33.5047, 0.3172,
0.3489


218.6853, 0.3152,
0.3395

 22.5133, 0.3178,
0.3518

265.2155, 0.3150,
0.3389

 14.2346, 0.3185,
0.3556

317.9178, 0.3149,
0.3383

 8.2840, 0.3196,
0.3611

377.1766, 0.3148,

 4.2772, 0.3211,

0.3378

0.3693

443.3763, 0.3147,
0.3373

■ 1.8298, 0.3234,
0.3832

■ 0.5056, 0.3544,
0.5037

■ 86.5981, 0.3160,
0.3434

■ 86.5981, 0.3160,
0.3434

■ 83.1095, 0.3216,
0.3701

■ 90.4635, 0.3103,
0.3191

■ 79.9746, 0.3269,
0.3990

■ 91.9863, 0.3133,
0.3165

■ 77.1845, 0.3317,
0.4294

■ 74.7260, 0.3355,
0.4606

■ 72.5846, 0.3380,
0.4910

■ 70.7447, 0.3387,
0.5192

■ 69.1892, 0.3374,
0.5435

■ 67.8984, 0.3340,
0.5623

■ 66.8492, 0.3290,
0.5749

Harmonies

Analogous

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



86.5981, 0.3241, 0.3442



86.5981, 0.3160, 0.3434



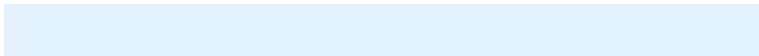
86.5981, 0.3071, 0.3386

Triad

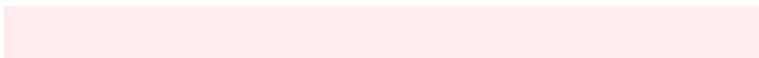
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.5981, 0.3160, 0.3434



86.5981, 0.2965, 0.3169



86.5981, 0.3257, 0.3268

Complementary

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



86.5981, 0.3160, 0.3434



79.7076, 0.3093, 0.3147

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.



86.5981, 0.3182, 0.3198



86.5981, 0.3160, 0.3434



86.5981, 0.3014, 0.3141

Square

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



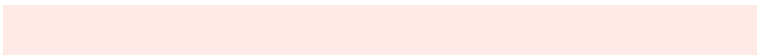
86.5981, 0.3160, 0.3434



86.5981, 0.2960, 0.3231



86.5981, 0.3093, 0.3151



86.5981, 0.3298, 0.3345

Rectangle

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



86.5981, 0.3160, 0.3434



86.5981, 0.3020, 0.3337



86.5981, 0.3093, 0.3151



86.5981, 0.3235, 0.3243

Sweetspot

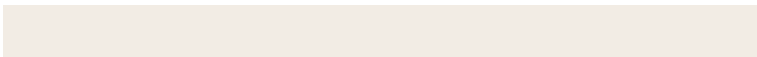
The Sweet Spot groups the original color and five complimentary colors.



86.6018, 0.3160, 0.3434



99.1296, 0.3139, 0.3339



84.4243, 0.3218, 0.3371



21.2270, 0.3138, 0.3336



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

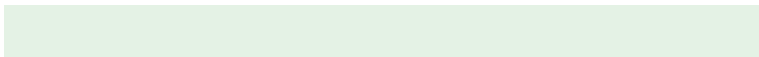
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.6018, 0.3160, 0.3434



97.0275, 0.3167, 0.3465



85.6476, 0.3115, 0.3426



18.1323, 0.3170, 0.3480



35.7829, 0.3278, 0.5780



3.0344, 0.3380, 0.5698

Inverse Universe

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



79.7076, 0.3093, 0.3147



87.7053, 0.3085, 0.3116



80.7040, 0.3140, 0.3158



16.2546, 0.3081, 0.3101



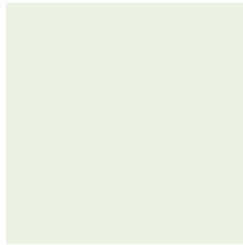
6.4152, 0.2165, 0.0966



0.5923, 0.2297, 0.1039

Previews

White Background



This preview shows how the Yxy color 86.5981, 0.3160, 0.3434 looks on a white background.

Color Contrast Check

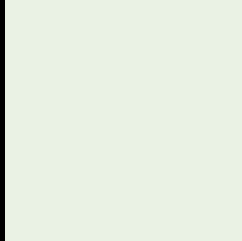
Large Text (above 18pt) WCAG AA × Fail

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 86.5981, 0.3160, 0.3434 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

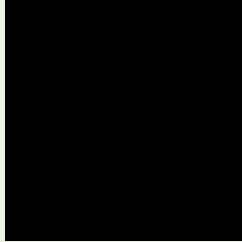
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

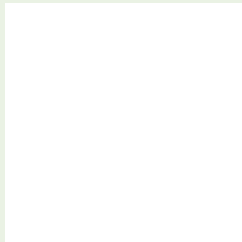
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.5981, 0.3160, 0.3434

Background



This preview shows how black text looks on a background with the Yxy color 86.5981, 0.3160, 0.3434.

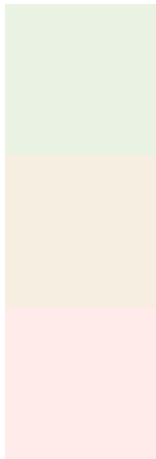


This preview shows how white text looks on a background with the Yxy color 86.5981, 0.3160, 0.3434.

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

86.5981, 0.3160, 0.3434

Protanopia

86.4142, 0.3263, 0.3411

Deuteranopia

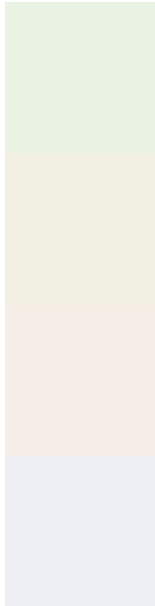
86.6172, 0.3269, 0.3300



Tritanopia

86.5462, 0.3025, 0.3121

Trichromacy



Original Color

86.5981, 0.3160, 0.3434

Protanomaly

86.1563, 0.3221, 0.3412

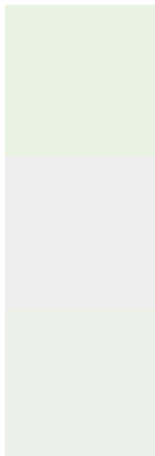
Deuteranomaly

86.7494, 0.3225, 0.3350

Tritanomaly

86.3301, 0.3078, 0.3230

Monochromacy



Original Color

86.5981, 0.3160, 0.3434

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.6780, 0.3145, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.5981, 0.3160, 0.3434 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, 242, 228)` looks like.

```
.text, #text, p{  
    color:rgb(234, 242, 228)  
}
```

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, 242, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 242, 228) }
```

Border

The CSS property to change the border of an element to Yxy 86.5981, 0.3160, 0.3434 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, 242, 228) }
```

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

```
.border{ border-color:rgb(234, 242, 228) }
```

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

Here you see how a box with a 4 pixel rgb(234, 242, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 242, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 242, 228);  
box-shadow:4px 4px 4px 4px rgb(234, 242,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 86.5981, 0.3160, 0.3434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 242, 228) }
```

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

```
.background{ background-color: rgb(234,  
242, 228) }
```

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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