

Converting Colors

$Yxy(82.4874, 0.3128, 0.3433)$

Have a look what the booklet for
Yxy(82.4874, 0.3128, 0.3433)
contains.

Yxy(82.5384, 0.3127, 0.3437)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(82.5384, 0.3127, 0.3437)

Conversions

Conversions Part 1

Format	Color
Hex	E1EEE0
RGB	225, 238, 224
RGB Percent	88%, 93%, 88%
CMY	0.1175, 0.0667, 0.1215
CMYK	0.05, 0.00, 0.06, 0.07
HSL	116°, 29%, 91%
HSV	116°, 6%, 93%
XYZ	75.0939, 82.5384, 82.5144
YIQ	232.5170, -3.2540, -7.1100

Conversions

Conversions Part 2

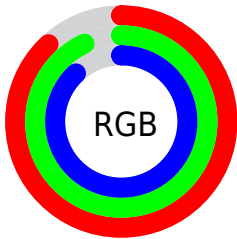
Format	Color
R_{YB}	224, 238, 237
Decimal	14806752
CIE _{Lab}	92.81, -6.79, 5.26
CIE _{LCh}	93, 8.589, 142.196
Y _{xy}	82.5384, 0.3127, 0.3437
Android (android.graphics.Color)	4292996832 (0xFFE1EEE0)
Y _{UV}	232.5170, -4.1989, -6.5924
Hunter-Lab	90.8506, -11.4470, 9.7458

Details

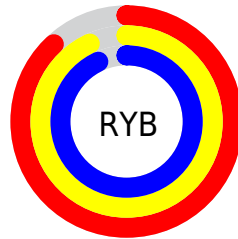
The Yxy color **82.5384, 0.3127, 0.3437** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.4996, 0.3127, 0.3147**, and the grayscale version is **81.1459, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.8665, 0.3127, 0.3467** is the 20% darker color. If you saturate the color by 10%, you get **78.0183, 0.3125, 0.3714**, and if you desaturate by 10%, it is **87.7046, 0.3127, 0.3193**.

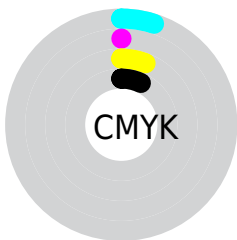
Distribution



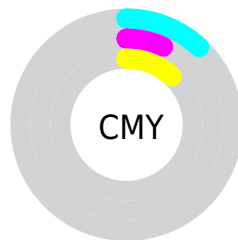
- Red (88%)
- Green (93%)
- Blue (88%)



- Red (88%)
- Yellow (93%)
- Blue (93%)



- Cyan (5%)
- Magenta (0%)
- Yellow (6%)
- Black (7%)



- Cyan (12%)
- Magenta (7%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.5384, 0.3127, 0.3437 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 82.5384, 0.3127, 0.3437 by changing the saturation by 10% instead.

 82.5384, 0.3127,
0.3437

 82.5384, 0.3127,
0.3437


503.4468, 0.3127,
0.3370

 61.8094, 0.3127,
0.3452

136.9288, 0.3127,
0.3414

 44.8787, 0.3127,
0.3471


171.3589, 0.3127,
0.3405

 31.3619, 0.3126,
0.3494

211.1250, 0.3127,
0.3397

 20.8746, 0.3126,
0.3525

256.6113, 0.3127,
0.3390

 13.0324, 0.3125,
0.3566

308.2022, 0.3127,
0.3384

 7.4508, 0.3123,
0.3625

366.2822, 0.3127,

 3.7456, 0.3119,

0.3379

0.3716

431.2356, 0.3127,
0.3374

■ 1.5323, 0.3111,
0.3874

■ 0.3113, 0.2949,
0.7051

■ 82.5384, 0.3127,
0.3437

■ 82.5384, 0.3127,
0.3437

■ 78.0183, 0.3125,
0.3714

■ 87.7046, 0.3127,
0.3193

■ 74.1088, 0.3121,
0.4024

■ 89.6235, 0.3135,
0.3127

■ 70.7869, 0.3115,
0.4361

■ 68.0243, 0.3105,
0.4714

■ 65.7900, 0.3091,
0.5065

■ 64.0503, 0.3075,
0.5389

■ 62.7674, 0.3055,
0.5659

■ 61.8981, 0.3036,
0.5854

■ 61.3908, 0.3017,
0.5963

Harmonies

Analogous

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



82.5384, 0.3224, 0.3464



82.5384, 0.3127, 0.3437



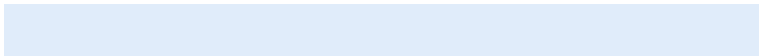
82.5384, 0.3031, 0.3369

Triad

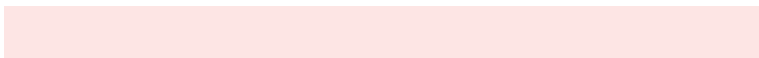
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.5384, 0.3127, 0.3437



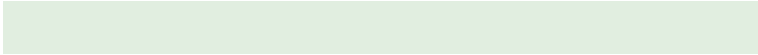
82.5384, 0.2960, 0.3138



82.5384, 0.3296, 0.3297

Complementary

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



82.5384, 0.3127, 0.3437



77.4996, 0.3127, 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.



82.5384, 0.3223, 0.3213



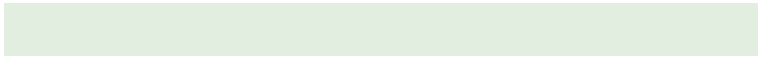
82.5384, 0.3127, 0.3437



82.5384, 0.3029, 0.3122

Square

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



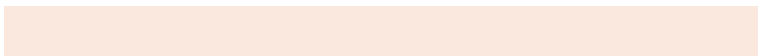
82.5384, 0.3127, 0.3437



82.5384, 0.2935, 0.3195



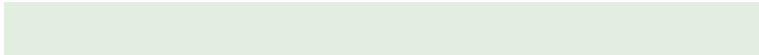
82.5384, 0.3125, 0.3149



82.5384, 0.3323, 0.3381

Rectangle

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



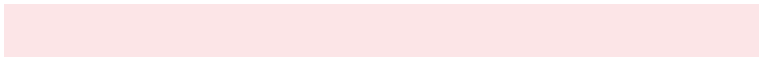
82.5384, 0.3127, 0.3437



82.5384, 0.2980, 0.3310



82.5384, 0.3125, 0.3149



82.5384, 0.3276, 0.3268

Sweetspot

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



82.5419, 0.3127, 0.3437



98.7901, 0.3127, 0.3339



84.0271, 0.3215, 0.3422



21.1578, 0.3127, 0.3337



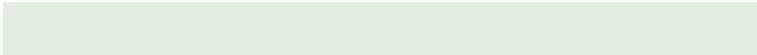
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



82.5419, 0.3127, 0.3437



95.8984, 0.3127, 0.3467



82.7000, 0.3085, 0.3375



17.9053, 0.3127, 0.3482



34.2035, 0.3016, 0.5987



2.8644, 0.3057, 0.5955

Inverse Universe

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



77.4996, 0.3127, 0.3147



88.8895, 0.3127, 0.3118



77.3387, 0.3172, 0.3206



16.4936, 0.3127, 0.3104



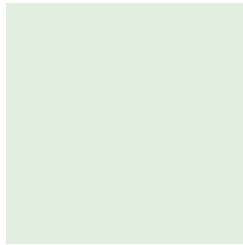
12.0150, 0.3027, 0.1441



1.0169, 0.3052, 0.1455

Previews

White Background



This preview shows how the Yxy color 82.5384, 0.3127, 0.3437 looks on a white background.

Color Contrast Check

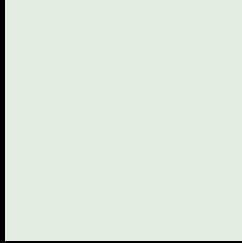
Large Text (above 18pt) WCAG AA × Fail

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 82.5384, 0.3127, 0.3437 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

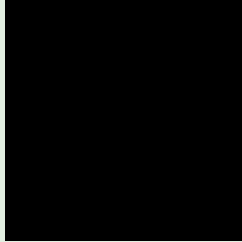
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

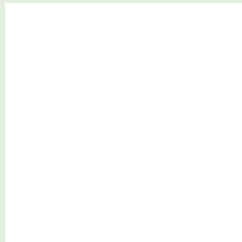
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.5384, 0.3127, 0.3437

Background



This preview shows how black text looks on a background with the Yxy color 82.5384, 0.3127, 0.3437.

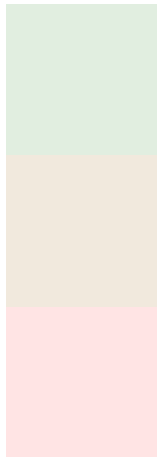


This preview shows how white text looks on a background with the Yxy color 82.5384, 0.3127, 0.3437.

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

82.5384, 0.3127, 0.3437

Protanopia

82.1991, 0.3259, 0.3414

Deuteranopia

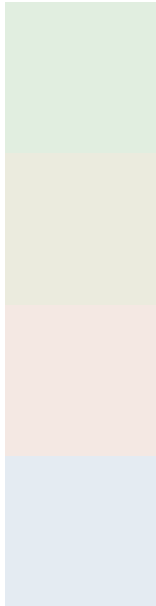
82.3482, 0.3316, 0.3291



Tritanopia

82.6969, 0.2991, 0.3107

Trichromacy



Original Color

82.5384, 0.3127, 0.3437

Protanomaly

82.3528, 0.3209, 0.3425

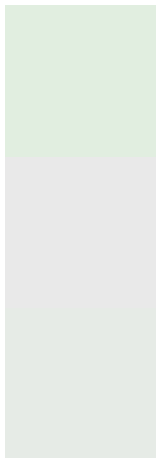
Deuteranomaly

82.4924, 0.3241, 0.3341

Tritanomaly

82.3214, 0.3038, 0.3218

Monochromacy



Original Color

82.5384, 0.3127, 0.3437

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.9528, 0.3125, 0.3342

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.5384, 0.3127, 0.3437 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(225, 238, 224)` looks like.

```
.text, #text, p{  
    color:rgb(225, 238, 224)  
}
```

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(225, 238, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 238, 224) }
```

Border

The CSS property to change the border of an element to Yxy 82.5384, 0.3127, 0.3437 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(225, 238, 224) }
```

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

```
.border{ border-color:rgb(225, 238, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 238, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(225, 238, 224); -webkit-box-shadow:4px 4px 4px 4px rgb(225, 238, 224); box-shadow:4px 4px 4px 4px rgb(225, 238, 224) }
```


Background

The CSS property to change the background color of an element to Yxy 82.5384, 0.3127, 0.3437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 238, 224) }
```

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

```
.background{ background-color: rgb(225,  
238, 224) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor