

Converting Colors

Yxy(82.5818, 0.3146, 0.3480)

Have a look what the booklet for
Yxy(82.5818, 0.3146, 0.3480)
contains.

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Color

Yxy(82.3771, 0.3145, 0.3470)

Conversions

Conversions Part 1

Format	Color
Hex	E1EEDD
RGB	225, 238, 221
RGB Percent	88%, 93%, 87%
CMY	0.1179, 0.0666, 0.1334
CMYK	0.05, 0.00, 0.07, 0.07
HSL	106°, 33%, 90%
HSV	106°, 7%, 93%
XYZ	74.6617, 82.3771, 80.3592
YIQ	232.1750, -2.2910, -8.0430

Conversions

Conversions Part 2

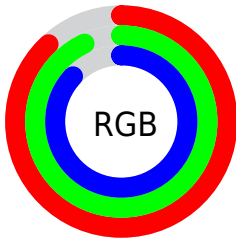
Format	Color
RYB	221, 238, 234
Decimal	14806749
CIELab	92.74, -7.37, 6.74
CIElCh	93, 9.990, 137.536
Yxy	82.3771, 0.3145, 0.3470
Android (android.graphics.Color)	4292996829 (0xFFE1EEDD)
YUV	232.1750, -5.5093, -6.2925
Hunter-Lab	90.7618, -11.9972, 11.0388

Details

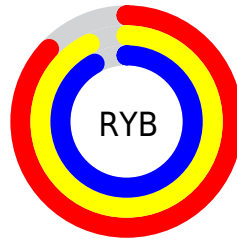
The Yxy color $82.3771, 0.3145, 0.3470$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $75.3818, 0.3108, 0.3113$, and the grayscale version is $80.8724, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $44.7551, 0.3151, 0.3509$ is the 20% darker color. If you saturate the color by 10%, you get $78.4204, 0.3168, 0.3747$, and if you desaturate by 10%, it is $86.8350, 0.3120, 0.3223$.

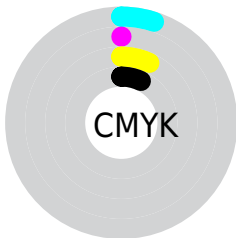
Distribution



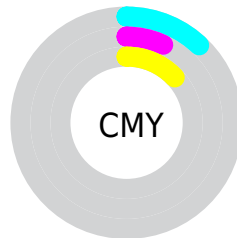
- Red (88%)
- Green (93%)
- Blue (87%)



- Red (87%)
- Yellow (93%)
- Blue (92%)



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



- Cyan (12%)
- Magenta (7%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.3771, 0.3145, 0.3470 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 82.3771, 0.3145, 0.3470 by changing the saturation by 10% instead.

82.3771, 0.3145,
0.3470

82.3771, 0.3145,
0.3470

502.9082, 0.3137,
0.3388

61.6764, 0.3147,
0.3489

136.7027, 0.3142,
0.3442

44.7713, 0.3148,
0.3512

171.0964, 0.3141,
0.3430

31.2773, 0.3151,
0.3541

210.8232, 0.3141,
0.3421

20.8101, 0.3154,
0.3578

256.2676, 0.3140,
0.3413

12.9853, 0.3157,
0.3629

307.8139, 0.3139,
0.3405

7.4184, 0.3161,
0.3702

365.8465, 0.3138,

3.7251, 0.3167,

0.3399

0.3815

430.7498, 0.3138,
0.3393

■ 1.5210, 0.3172,
0.4012

■ 0.3035, 0.2634,
0.7366

■ 82.3771, 0.3145,
0.3470

■ 82.3771, 0.3145,
0.3470

■ 78.4204, 0.3168,
0.3747

■ 86.8350, 0.3120,
0.3223

■ 74.9368, 0.3189,
0.4050

■ 89.6426, 0.3135,
0.3127

■ 71.9116, 0.3204,
0.4376

■ 69.3250, 0.3212,
0.4712

■ 67.1559, 0.3210,
0.5043

■ 65.3815, 0.3196,
0.5348

■ 63.9763, 0.3171,
0.5605

■ 62.9119, 0.3135,
0.5795

■ 62.1539, 0.3092,
0.5911

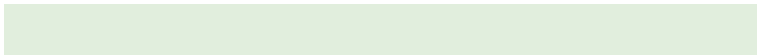
Harmonies

Analogous

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



82.3771, 0.3256, 0.3492



82.3771, 0.3145, 0.3470



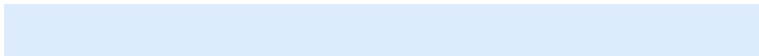
82.3771, 0.3031, 0.3397

Triad

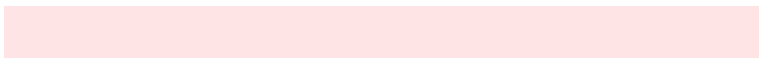
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.3771, 0.3145, 0.3470



82.3771, 0.2925, 0.3120



82.3771, 0.3314, 0.3282

Complementary

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



82.3771, 0.3145, 0.3470



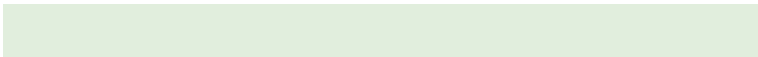
75.3818, 0.3108, 0.3113

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.



82.3771, 0.3222, 0.3187



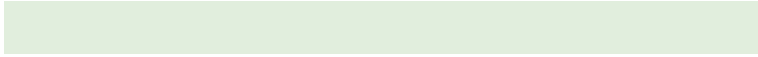
82.3771, 0.3145, 0.3470



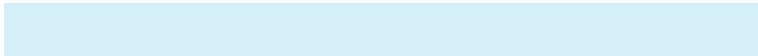
82.3771, 0.2998, 0.3094

Square

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



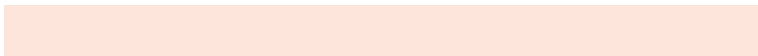
82.3771, 0.3145, 0.3470



82.3771, 0.2905, 0.3192



82.3771, 0.3106, 0.3119



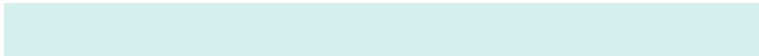
82.3771, 0.3354, 0.3381

Rectangle

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



82.3771, 0.3145, 0.3470



82.3771, 0.2968, 0.3330



82.3771, 0.3106, 0.3119



82.3771, 0.3288, 0.3249

Sweetspot

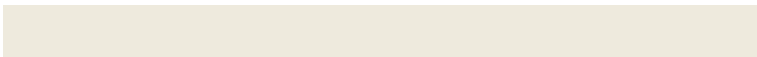
The Sweet Spot groups the original color and five complimentary colors.



82.3806, 0.3145, 0.3470



98.9409, 0.3132, 0.3339



82.2733, 0.3237, 0.3425



21.1885, 0.3132, 0.3337



0.0000, 0.0000, 0.0000



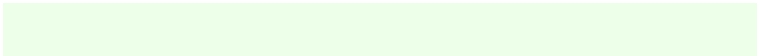
21.4041, 0.3127, 0.3290

Same Dimension

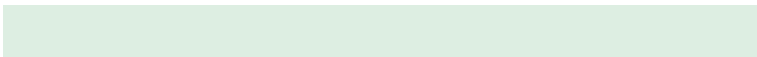
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.3806, 0.3145, 0.3470



95.4196, 0.3150, 0.3520



81.9973, 0.3091, 0.3422



17.8336, 0.3151, 0.3532



34.6214, 0.3089, 0.5929



2.9239, 0.3177, 0.5859

Inverse Universe

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



75.3818, 0.3108, 0.3113



85.2239, 0.3102, 0.3066



75.7960, 0.3165, 0.3161



15.8355, 0.3101, 0.3055



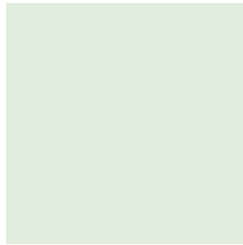
9.1009, 0.2627, 0.1221



0.8015, 0.2707, 0.1265

Previews

White Background



This preview shows how the Yxy color 82.3771, 0.3145, 0.3470 looks on a white background.

Color Contrast Check

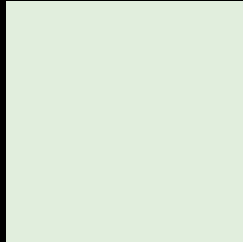
Large Text (above 18pt) WCAG AA × Fail

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 82.3771, 0.3145, 0.3470 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

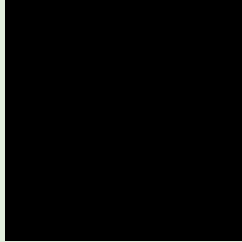
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

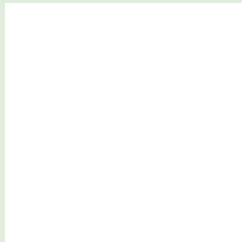
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.3771, 0.3145, 0.3470

Background



This preview shows how black text looks on a background with the Yxy color 82.3771, 0.3145, 0.3470.

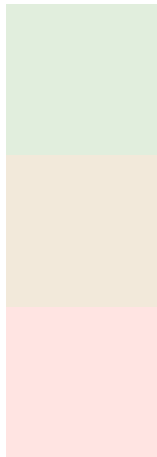


This preview shows how white text looks on a background with the Yxy color 82.3771, 0.3145, 0.3470.

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

82.3771, 0.3145, 0.3470

Protanopia

82.2170, 0.3285, 0.3444

Deuteranopia

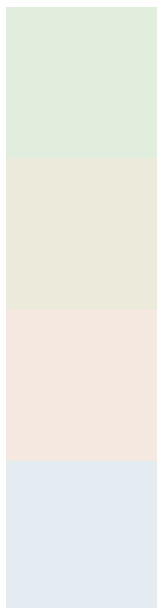
82.2378, 0.3330, 0.3311



Tritanopia

82.1291, 0.2991, 0.3096

Trichromacy



Original Color

82.3771, 0.3145, 0.3470

Protanomaly

82.3640, 0.3235, 0.3456

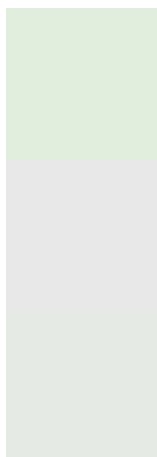
Deuteranomaly

82.3281, 0.3261, 0.3372

Tritanomaly

82.2615, 0.3044, 0.3228

Monochromacy



Original Color

82.3771, 0.3145, 0.3470

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.1051, 0.3131, 0.3353

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.3771, 0.3145, 0.3470 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, 221)` looks like.

```
.text, #text, p{  
    color:rgb(225, 238, 221)  
}
```

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, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 238, 221) }
```

Border

The CSS property to change the border of an element to Yxy 82.3771, 0.3145, 0.3470 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, 221) }
```

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

```
.border{ border-color:rgb(225, 238, 221) }
```

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, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(225, 238, 221); -webkit-box-shadow:4px 4px 4px 4px rgb(225, 238, 221); box-shadow:4px 4px 4px 4px rgb(225, 238, 221) }
```


Background

The CSS property to change the background color of an element to Yxy 82.3771, 0.3145, 0.3470 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, 221) }
```

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

```
.background{ background-color: rgb(225,  
238, 221) }
```

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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