

Converting Colors

$Yxy(82.1197, 0.3159, 0.3459)$

Have a look what the booklet for
Yxy(82.1197, 0.3159, 0.3459)
contains.

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Color

Yxy(82.1197, 0.3159, 0.3459)

Conversions

Conversions Part 1

Format	Color
Hex	E3EDDD
RGB	227, 237, 221
RGB Percent	89%, 93%, 87%
CMY	0.1100, 0.0705, 0.1334
CMYK	0.04, 0.00, 0.07, 0.07
HSL	98°, 31%, 90%
HSV	98°, 7%, 93%
XYZ	74.9974, 82.1197, 80.2917
YIQ	232.1860, -0.8240, -7.0960

Conversions

Conversions Part 2

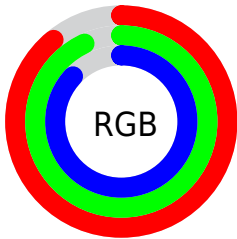
Format	Color
R _Y B	221, 237, 231
Decimal	14937565
CIE Lab	92.63, -6.19, 6.60
CIE LCh	93, 9.048, 133.167
Yxy	82.1197, 0.3159, 0.3459
Android (android.graphics.Color)	4293127645 (0xFFE3EDDD)
YUV	232.1860, -5.5147, -4.5481
Hunter-Lab	90.6199, -10.8575, 10.9014

Details

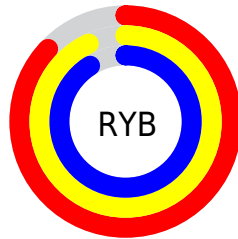
The Yxy color **82.1197, 0.3159, 0.3459** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.8203, 0.3093, 0.3123**, and the grayscale version is **80.8800, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.5716, 0.3169, 0.3495** is the 20% darker color. If you saturate the color by 10%, you get **78.6294, 0.3205, 0.3730**, and if you desaturate by 10%, it is **86.0051, 0.3112, 0.3213**.

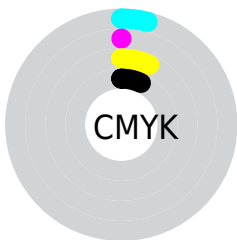
Distribution



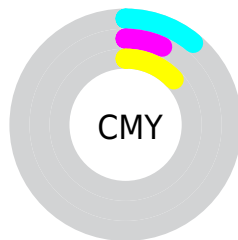
- Red (89%)
- Green (93%)
- Blue (87%)



- Red (87%)
- Yellow (93%)
- Blue (91%)



- Cyan (4%)
- Magenta (0%)
- Yellow (7%)
- Black (7%)





- Cyan (11%)
- Magenta (7%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.1197, 0.3159, 0.3459 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 82.1197, 0.3159, 0.3459 by changing the saturation by 10% instead.


 82.1197, 0.3159,
0.3459

 82.1197, 0.3159,
0.3459

502.0480, 0.3145,
0.3382

 61.4642, 0.3162,
0.3476

136.3418, 0.3154,
0.3432

 44.5999, 0.3166,
0.3498


170.6773, 0.3152,
0.3422

 31.1424, 0.3170,
0.3525

210.3415, 0.3151,
0.3413

 20.7073, 0.3176,
0.3560

255.7189, 0.3149,
0.3405

 12.9102, 0.3184,
0.3608

307.1938, 0.3148,
0.3398

 7.3668, 0.3194,
0.3676

365.1507, 0.3147,

 3.6925, 0.3208,

0.3392

0.3781

429.9740, 0.3146,
0.3387

■ 1.5031, 0.3229,
0.3965

■ 0.2909, 0.3012,
0.6988

■ 82.1197, 0.3159,
0.3459

■ 82.1197, 0.3159,
0.3459

■ 78.6294, 0.3205,
0.3730

■ 86.0051, 0.3112,
0.3213

■ 75.5109, 0.3248,
0.4024

■ 89.0626, 0.3135,
0.3117

■ 72.7543, 0.3285,
0.4335

■ 70.3453, 0.3313,
0.4654

■ 68.2684, 0.3327,
0.4966

■ 66.5070, 0.3326,
0.5254

■ 65.0427, 0.3306,
0.5500

■ 63.8545, 0.3269,
0.5688

■ 62.9174, 0.3217,
0.5811

Harmonies

Analogous

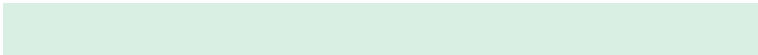
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.1197, 0.3257, 0.3472



82.1197, 0.3159, 0.3459



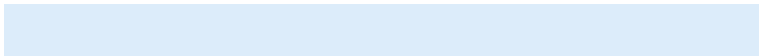
82.1197, 0.3054, 0.3399

Triad

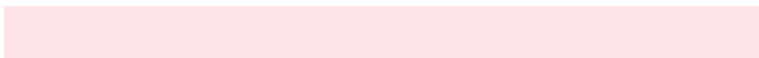
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.1197, 0.3159, 0.3459



82.1197, 0.2938, 0.3143



82.1197, 0.3286, 0.3270

Complementary

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



82.1197, 0.3159, 0.3459



74.8203, 0.3093, 0.3123

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.



82.1197, 0.3199, 0.3185



82.1197, 0.3159, 0.3459



82.1197, 0.2998, 0.3112

Square

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



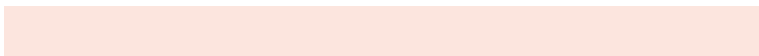
82.1197, 0.3159, 0.3459



82.1197, 0.2928, 0.3214



82.1197, 0.3093, 0.3128



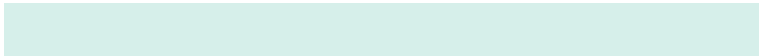
82.1197, 0.3331, 0.3361

Rectangle

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



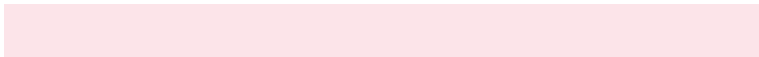
82.1197, 0.3159, 0.3459



82.1197, 0.2994, 0.3340



82.1197, 0.3093, 0.3128



82.1197, 0.3261, 0.3240

Sweetspot

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



82.1232, 0.3159, 0.3459



99.0728, 0.3137, 0.3339



80.3104, 0.3233, 0.3393



21.2154, 0.3136, 0.3336



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

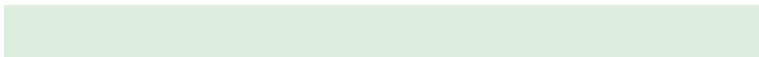
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.1232, 0.3159, 0.3459



96.4032, 0.3165, 0.3492



81.2720, 0.3108, 0.3441



17.1345, 0.3172, 0.3530



34.2693, 0.3211, 0.5833



2.7441, 0.3318, 0.5747

Inverse Universe

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



74.8203, 0.3093, 0.3123



86.2595, 0.3086, 0.3090



75.7199, 0.3147, 0.3144



15.0181, 0.3079, 0.3054



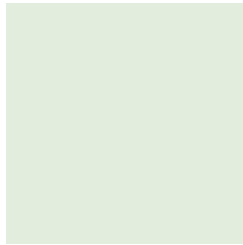
6.9039, 0.2297, 0.1039



0.5966, 0.2423, 0.1108

Previews

White Background



This preview shows how the Yxy color 82.1197, 0.3159, 0.3459 looks on a white background.

Color Contrast Check

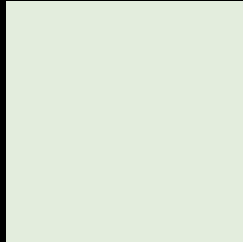
Large Text (above 18pt) WCAG AA × Fail

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 82.1197, 0.3159, 0.3459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

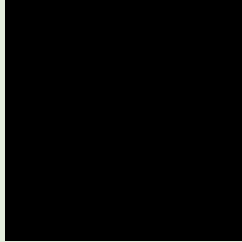
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

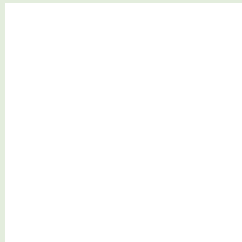
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.1197, 0.3159, 0.3459

Background



This preview shows how black text looks on a background with the Yxy color 82.1197, 0.3159, 0.3459.

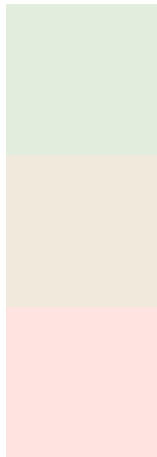


This preview shows how white text looks on a background with the Yxy color 82.1197, 0.3159, 0.3459.

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

82.1197, 0.3159, 0.3459

Protanopia

82.0931, 0.3272, 0.3434

Deuteranopia

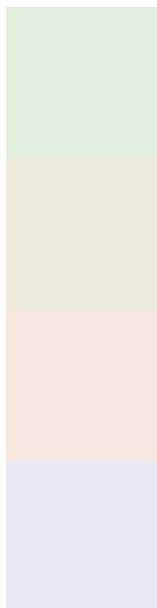
81.6344, 0.3338, 0.3311



Tritanopia

82.3987, 0.3010, 0.3107

Trichromacy



Original Color

82.1197, 0.3159, 0.3459

Protanomaly

81.8458, 0.3229, 0.3436

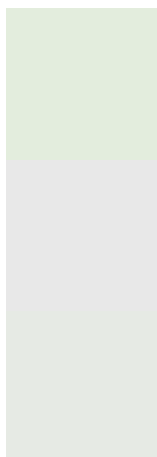
Deuteranomaly

81.9461, 0.3269, 0.3362

Tritanomaly

81.9599, 0.3064, 0.3228

Monochromacy



Original Color

82.1197, 0.3159, 0.3459

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.2701, 0.3138, 0.3353

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.1197, 0.3159, 0.3459 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(227, 237, 221)` looks like.

```
.text, #text, p{  
    color:rgb(227, 237, 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(227, 237, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 237, 221) }
```

Border

The CSS property to change the border of an element to Yxy 82.1197, 0.3159, 0.3459 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(227, 237, 221) }
```

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

```
.border{ border-color:rgb(227, 237, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 237, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 237, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 237, 221);  
box-shadow:4px 4px 4px 4px rgb(227, 237,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 82.1197, 0.3159, 0.3459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 237, 221) }
```

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

```
.background{ background-color: rgb(227,  
237, 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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