

Converting Colors

$Yxy(87.3529, 0.3193, 0.3486)$

Have a look what the booklet for
Yxy(87.3529, 0.3193, 0.3486)
contains.

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Color

Yxy(87.3159, 0.3197, 0.3485)

Conversions

Conversions Part 1

Format	Color
Hex	ECF3E0
RGB	236, 243, 224
RGB Percent	93%, 95%, 88%
CMY	0.0744, 0.0471, 0.1217
CMYK	0.03, 0.00, 0.08, 0.05
HSL	82°, 44%, 92%
HSV	82°, 8%, 95%
XYZ	80.1001, 87.3159, 83.1318
YIQ	238.7410, 1.9270, -7.3930

Conversions

Conversions Part 2

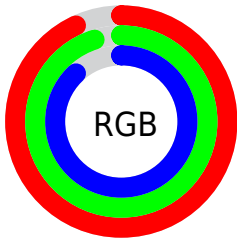
Format	Color
RYB	224, 243, 231
Decimal	15528928
CIELab	94.87, -5.61, 8.36
CIELCh	95, 10.073, 123.877
Yxy	87.3159, 0.3197, 0.3485
Android (android.graphics.Color)	4293719008 (0xFFE0F3E0)
YUV	238.7410, -7.2673, -2.4039
Hunter-Lab	93.4430, -10.5135, 12.6626

Details

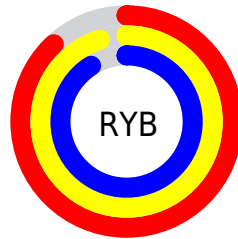
The Yxy color **87.3159, 0.3197, 0.3485** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.7476, 0.3053, 0.3093**, and the grayscale version is **86.1648, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.1085, 0.3208, 0.3528** is the 20% darker color. If you saturate the color by 10%, you get **84.6071, 0.3287, 0.3750**, and if you desaturate by 10%, it is **90.2968, 0.3108, 0.3238**.

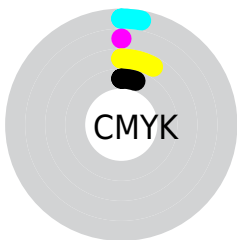
Distribution



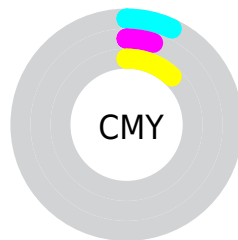
- Red (93%)
- Green (95%)
- Blue (88%)



- Red (88%)
- Yellow (95%)
- Blue (91%)



- Cyan (3%)
- Magenta (0%)
- Yellow (8%)
- Black (5%)





- Cyan (7%)
- Magenta (5%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.3159, 0.3197, 0.3485 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 87.3159, 0.3197, 0.3485 by changing the saturation by 10% instead.

 87.3159, 0.3197,
0.3485

 87.3159, 0.3197,
0.3485


519.2603, 0.3166,
0.3397

 65.7567, 0.3204,
0.3505

143.6044, 0.3187,
0.3455

 48.0749, 0.3212,
0.3529


179.1024, 0.3182,
0.3443

 33.8862, 0.3222,
0.3559


220.0155, 0.3179,
0.3433

 22.8062, 0.3235,
0.3598

266.7280, 0.3176,
0.3424

 14.4505, 0.3252,
0.3650

319.6243, 0.3173,
0.3416

 8.4346, 0.3274,
0.3724

379.0889, 0.3170,

 4.3743, 0.3307,

0.3409

0.3835

445.5061, 0.3168,
0.3402

■ 1.8851, 0.3358,
0.4021

■ 0.5394, 0.4093,
0.5878

■ 87.3159, 0.3197,
0.3485

■ 87.3159, 0.3197,
0.3485

■ 84.6071, 0.3287,
0.3750

■ 90.2968, 0.3108,
0.3238

■ 82.1499, 0.3374,
0.4028

■ 92.3628, 0.3125,
0.3175

■ 79.9385, 0.3455,
0.4313

■ 92.5820, 0.3133,
0.3175

■ 77.9625, 0.3524,
0.4595

■ 76.2107, 0.3578,
0.4862

■ 74.6707, 0.3611,
0.5100

■ 73.3286, 0.3619,
0.5298

■ 72.1681, 0.3603,
0.5445

■ 71.1676, 0.3564,
0.5542

Harmonies

Analogous

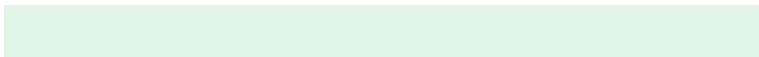
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.3159, 0.3295, 0.3481



87.3159, 0.3197, 0.3485



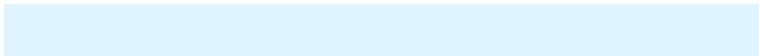
87.3159, 0.3082, 0.3434

Triad

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



87.3159, 0.3197, 0.3485



87.3159, 0.2911, 0.3150



87.3159, 0.3275, 0.3237

Complementary

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



87.3159, 0.3197, 0.3485



76.7476, 0.3053, 0.3093

Split Complementary

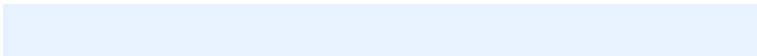
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.3159, 0.3170, 0.3153



87.3159, 0.3197, 0.3485



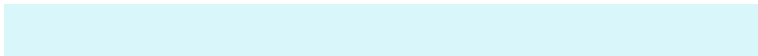
87.3159, 0.2960, 0.3101

Square

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



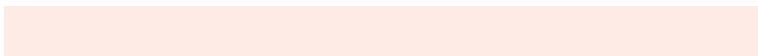
87.3159, 0.3197, 0.3485



87.3159, 0.2918, 0.3237



87.3159, 0.3055, 0.3103



87.3159, 0.3341, 0.3337

Rectangle

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



87.3159, 0.3197, 0.3485



87.3159, 0.3011, 0.3375



87.3159, 0.3055, 0.3103



87.3159, 0.3243, 0.3206

Sweetspot

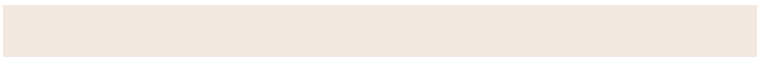
The Sweet Spot groups the original color and five complimentary colors.



87.3197, 0.3197, 0.3485



99.3230, 0.3145, 0.3339



81.3815, 0.3255, 0.3358



21.2663, 0.3144, 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.



87.3197, 0.3197, 0.3485



97.0483, 0.3208, 0.3516



85.7850, 0.3136, 0.3489



18.9923, 0.3212, 0.3528



39.0268, 0.3564, 0.5552



3.4882, 0.3643, 0.5490

Inverse Universe

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



76.7476, 0.3053, 0.3093



83.5677, 0.3041, 0.3062



78.3184, 0.3116, 0.3097



16.2224, 0.3037, 0.3049



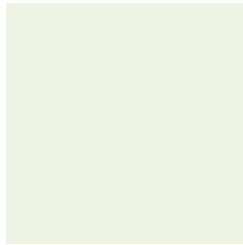
4.7889, 0.1792, 0.0761



0.4771, 0.1930, 0.0837

Previews

White Background



This preview shows how the Yxy color 87.3159, 0.3197, 0.3485 looks on a white background.

Color Contrast Check

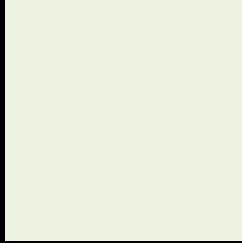
Large Text (above 18pt) WCAG AA × Fail

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 87.3159, 0.3197, 0.3485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

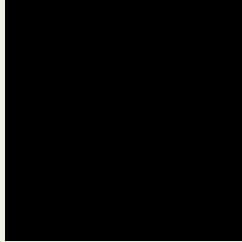
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

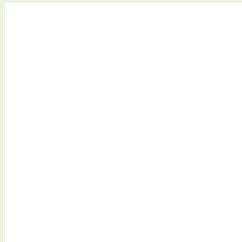
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.3159, 0.3197, 0.3485

Background



This preview shows how black text looks on a background with the Yxy color 87.3159, 0.3197, 0.3485.

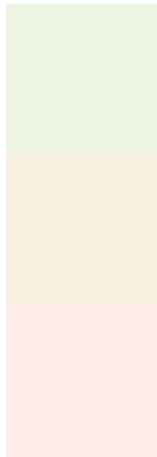


This preview shows how white text looks on a background with the Yxy color 87.3159, 0.3197, 0.3485.

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

87.3159, 0.3197, 0.3485

Protanopia

87.1467, 0.3301, 0.3461

Deuteranopia

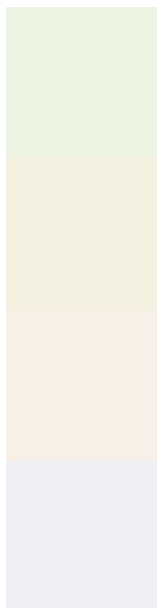
87.1341, 0.3275, 0.3320



Tritanopia

87.0698, 0.3044, 0.3122

Trichromacy



Original Color

87.3159, 0.3197, 0.3485

Protanomaly

86.8810, 0.3259, 0.3462

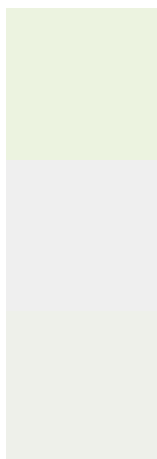
Deuteranomaly

87.4026, 0.3243, 0.3380

Tritanomaly

87.2026, 0.3096, 0.3250

Monochromacy



Original Color

87.3159, 0.3197, 0.3485

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.4378, 0.3151, 0.3351

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.3159, 0.3197, 0.3485 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(236, 243, 224)` looks like.

```
.text, #text, p{  
    color:rgb(236, 243, 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(236, 243, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 243, 224) }
```

Border

The CSS property to change the border of an element to Yxy 87.3159, 0.3197, 0.3485 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(236, 243, 224) }
```

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

```
.border{ border-color:rgb(236, 243, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 243, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 243, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 243, 224);  
box-shadow:4px 4px 4px 4px rgb(236, 243,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 87.3159, 0.3197, 0.3485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 243, 224) }
```

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

```
.background{ background-color: rgb(236,  
243, 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](#).

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