

Converting Colors

$Yxy(77.0082, 0.3194, 0.3424)$

Have a look what the booklet for
Yxy(77.0082, 0.3194, 0.3424)
contains.

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Color

Yxy(77.3274, 0.3197, 0.3429)

Conversions

Conversions Part 1

Format	Color
Hex	E3E5D8
RGB	227, 229, 216
RGB Percent	89%, 90%, 85%
CMY	0.1097, 0.1020, 0.1530
CMYK	0.01, 0.00, 0.06, 0.10
HSL	69°, 20%, 87%
HSV	69°, 6%, 90%
XYZ	72.0956, 77.3274, 76.0871
YIQ	226.9200, 2.9810, -4.4670

Conversions

Conversions Part 2

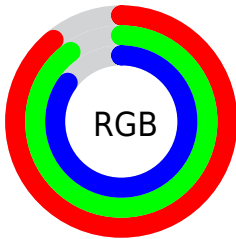
Format	Color
RYB	216, 229, 218
Decimal	14935512
CIELab	90.47, -2.94, 6.09
CIELCh	90, 6.764, 115.729
Yxy	77.3274, 0.3197, 0.3429
Android (android.graphics.Color)	4293125592 (0xFFE3E5D8)
YUV	226.9200, -5.3836, 0.0702
Hunter-Lab	87.9360, -7.5423, 10.2542

Details

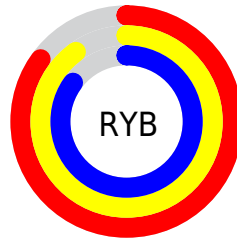
The Yxy color $77.3274, 0.3197, 0.3429$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $69.6687, 0.3055, 0.3148$, and the grayscale version is $76.7964, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $41.6160, 0.3217, 0.3470$ is the 20% darker color. If you saturate the color by 10%, you get $75.6652, 0.3322, 0.3683$, and if you desaturate by 10%, it is $79.1729, 0.3075, 0.3187$.

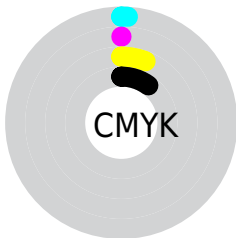
Distribution



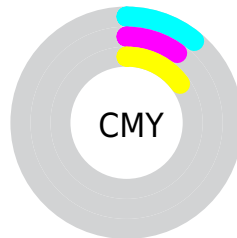
- Red (89%)
- Green (90%)
- Blue (85%)



- Red (85%)
- Yellow (90%)
- Blue (85%)



- Cyan (1%)
- Magenta (0%)
- Yellow (6%)
- Black (10%)



- Cyan (11%)
- Magenta (10%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.3274, 0.3197, 0.3429 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 77.3274, 0.3197, 0.3429 by changing the saturation by 10% instead.

■ 77.3274, 0.3197,
0.3429

■ 77.3274, 0.3197,
0.3429

485.8796, 0.3165,
0.3365

■ 57.5216, 0.3204,
0.3444

129.6015, 0.3186,
0.3407

■ 41.4242, 0.3213,
0.3462

162.8387, 0.3182,
0.3398

■ 28.6507, 0.3224,
0.3484

201.3217, 0.3178,
0.3391

■ 18.8167, 0.3238,
0.3514

245.4351, 0.3175,
0.3384

■ 11.5379, 0.3258,
0.3554

295.5632, 0.3172,
0.3379

■ 6.4299, 0.3285,
0.3613

352.0904, 0.3169,

■ 3.1082, 0.3326,

0.3374

0.3703

415.4010, 0.3167,
0.3369

■ 1.1885, 0.3403,
0.3872

■ 0.0523, 0.0000,
1.0000

■ 77.3274, 0.3197,
0.3429

■ 77.3274, 0.3197,
0.3429

■ 75.6652, 0.3322,
0.3683

■ 79.1729, 0.3075,
0.3187

■ 74.1693, 0.3448,
0.3945

■ 80.7527, 0.2999,
0.3027

■ 72.8359, 0.3568,
0.4207

■ 81.3500, 0.3022,
0.3029

■ 71.6570, 0.3680,
0.4459

■ 81.9590, 0.3045,
0.3031

70.6241, 0.3776,
0.4691

82.5798, 0.3069,
0.3033

69.7276, 0.3852,
0.4893

83.2124, 0.3092,
0.3035

68.9568, 0.3903,
0.5056

83.8570, 0.3115,
0.3037

68.2992, 0.3928,
0.5173

84.5135, 0.3139,
0.3039

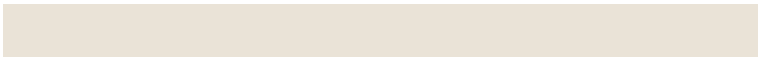
67.7395, 0.3928,
0.5245

84.5195, 0.3139,
0.3039

Harmonies

Analogous

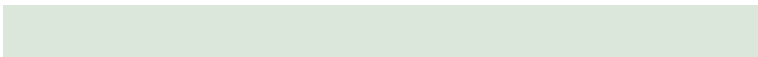
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.3274, 0.3258, 0.3417



77.3274, 0.3197, 0.3429



77.3274, 0.3118, 0.3403

Triad

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



77.3274, 0.3197, 0.3429



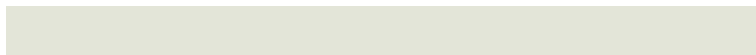
77.3274, 0.2973, 0.3207



77.3274, 0.3213, 0.3235

Complementary

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



77.3274, 0.3197, 0.3429



69.6687, 0.3055, 0.3148

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.



77.3274, 0.3135, 0.3181



77.3274, 0.3197, 0.3429



77.3274, 0.2997, 0.3164

Square

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



77.3274, 0.3197, 0.3429



77.3274, 0.2989, 0.3273



77.3274, 0.3057, 0.3155



77.3274, 0.3268, 0.3304

Rectangle

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



77.3274, 0.3197, 0.3429



77.3274, 0.3065, 0.3367



77.3274, 0.3057, 0.3155



77.3274, 0.3188, 0.3215

Sweetspot

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



77.3308, 0.3197, 0.3429



99.5286, 0.3152, 0.3339



71.7307, 0.3221, 0.3311



21.3082, 0.3151, 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.



77.3308, 0.3197, 0.3429



98.3903, 0.3214, 0.3463



76.2983, 0.3152, 0.3431



16.7701, 0.3220, 0.3476



38.6449, 0.3927, 0.5264



2.8860, 0.3968, 0.5231

Inverse Universe

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



69.6687, 0.3055, 0.3148



86.3784, 0.3037, 0.3113



70.6856, 0.3101, 0.3150



14.5757, 0.3030, 0.3099



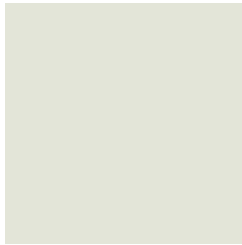
3.4707, 0.1564, 0.0635



0.2892, 0.1680, 0.0699

Previews

White Background



This preview shows how the Yxy color 77.3274, 0.3197, 0.3429 looks on a white background.

Color Contrast Check

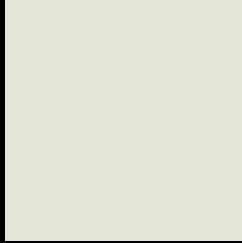
Large Text (above 18pt) WCAG AA × Fail

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 77.3274, 0.3197, 0.3429 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

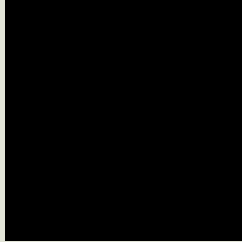
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

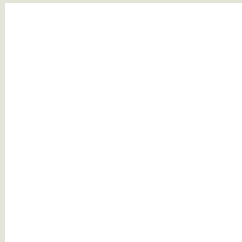
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.3274, 0.3197, 0.3429

Background



This preview shows how black text looks on a background with the Yxy color 77.3274, 0.3197, 0.3429.



This preview shows how white text looks on a background with the Yxy color 77.3274, 0.3197, 0.3429.

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

77.3274, 0.3197, 0.3429

Protanopia

77.5066, 0.3262, 0.3417

Deuteranopia

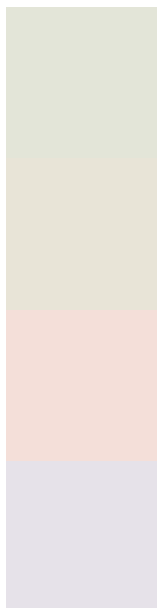
77.1310, 0.3381, 0.3311



Tritanopia

77.3104, 0.3054, 0.3104

Trichromacy



Original Color

77.3274, 0.3197, 0.3429

Protanomaly

77.5489, 0.3239, 0.3428

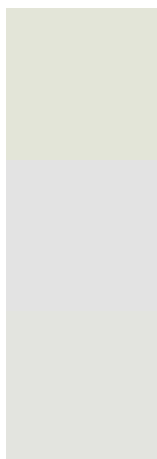
Deuteranomaly

77.0182, 0.3318, 0.3353

Tritanomaly

77.0989, 0.3110, 0.3217

Monochromacy



Original Color

77.3274, 0.3197, 0.3429

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

77.1454, 0.3152, 0.3343

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.3274, 0.3197, 0.3429 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, 229, 216)` looks like.

```
.text, #text, p{  
    color:rgb(227, 229, 216)  
}
```

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, 229, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 229, 216) }
```

Border

The CSS property to change the border of an element to Yxy 77.3274, 0.3197, 0.3429 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, 229, 216) }
```

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

```
.border{ border-color:rgb(227, 229, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 229, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 229, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 229, 216);  
box-shadow:4px 4px 4px 4px rgb(227, 229,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 77.3274, 0.3197, 0.3429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 229, 216) }
```

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

```
.background{ background-color: rgb(227,  
229, 216) }
```

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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