

Converting Colors

$Yxy(77.2842, 0.3274, 0.3570)$

Have a look what the booklet for
Yxy(77.2842, 0.3274, 0.3570)
contains.

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Color

Yxy(77.2842, 0.3274, 0.3570)

Conversions

Conversions Part 1

Format	Color
Hex	E3E6CC
RGB	227, 230, 204
RGB Percent	89%, 90%, 80%
CMY	0.1098, 0.0980, 0.1999
CMYK	0.01, 0.00, 0.11, 0.10
HSL	67°, 34%, 85%
HSV	67°, 11%, 90%
XYZ	70.8763, 77.2842, 68.3218
YIQ	226.1390, 6.5580, -8.7220

Conversions

Conversions Part 2

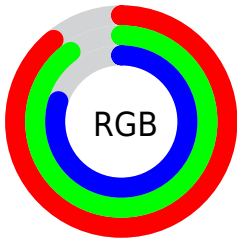
Format	Color
R_{YB}	204, 230, 207
Decimal	14935756
CIE _{Lab}	90.45, -5.44, 12.31
CIE _{LCh}	90, 13.461, 113.818
Yxy	77.2842, 0.3274, 0.3570
Android (android.graphics.Color)	4293125836 (0xFFE3E6CC)
YUV	226.1390, -10.9145, 0.7551
Hunter-Lab	87.9114, -9.9340, 15.4598

Details

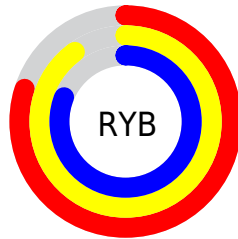
The Yxy color **77.2842, 0.3274, 0.3570** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **62.1793, 0.2971, 0.2998**, and the grayscale version is **76.2389, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.6326, 0.3309, 0.3640** is the 20% darker color. If you saturate the color by 10%, you get **75.8349, 0.3406, 0.3828**, and if you desaturate by 10%, it is **78.9100, 0.3144, 0.3321**.

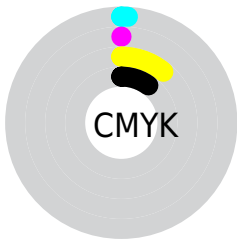
Distribution



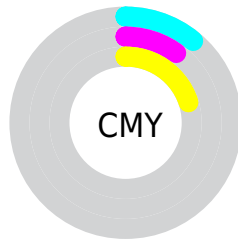
- Red (89%)
- Green (90%)
- Blue (80%)



- Red (80%)
- Yellow (90%)
- Blue (81%)



- Cyan (1%)
- Magenta (0%)
- Yellow (11%)
- Black (10%)



- Cyan (11%)
- Magenta (10%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.2842, 0.3274, 0.3570 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 77.2842, 0.3274, 0.3570 by changing the saturation by 10% instead.

■ 77.2842, 0.3274,
0.3570

■ 77.2842, 0.3274,
0.3570

485.7325, 0.3207,
0.3440

■ 57.4862, 0.3289,
0.3600

129.5406, 0.3251,
0.3525

■ 41.3957, 0.3307,
0.3636

162.7677, 0.3242,
0.3508

■ 28.6284, 0.3330,
0.3683

201.2400, 0.3234,
0.3492

■ 18.7999, 0.3359,
0.3743

245.3418, 0.3228,
0.3479

■ 11.5258, 0.3398,
0.3826

295.4576, 0.3222,
0.3468

■ 6.4217, 0.3452,
0.3945

351.9717, 0.3216,

■ 3.1031, 0.3532,

0.3458

0.4130

415.2685, 0.3212,
0.3449

■ 1.1858, 0.3805,
0.4635

■ 0.0501, 0.0000,
1.0000

■ 77.2842, 0.3274,
0.3570

■ 77.2842, 0.3274,
0.3570

■ 75.8349, 0.3406,
0.3828

■ 78.9100, 0.3144,
0.3321

■ 74.5447, 0.3536,
0.4087

■ 80.7087, 0.3018,
0.3086

■ 73.4093, 0.3659,
0.4340

■ 81.4743, 0.3006,
0.3038

■ 72.4205, 0.3770,
0.4577

■ 81.9303, 0.3023,
0.3040

71.5692, 0.3862,
0.4786

82.3931, 0.3041,
0.3041

70.8450, 0.3931,
0.4959

82.8627, 0.3058,
0.3042

70.2363, 0.3974,
0.5088

83.3392, 0.3076,
0.3044

69.7291, 0.3991,
0.5172

83.8226, 0.3093,
0.3045

69.3503, 0.3988,
0.5215

84.3128, 0.3111,
0.3046

Harmonies

Analogous

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



77.2842, 0.3394, 0.3537



77.2842, 0.3274, 0.3570



77.2842, 0.3117, 0.3524

Triad

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



77.2842, 0.3274, 0.3570



77.2842, 0.2822, 0.3129



77.2842, 0.3288, 0.3174

Complementary

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



77.2842, 0.3274, 0.3570



62.1793, 0.2971, 0.2998

Split Complementary

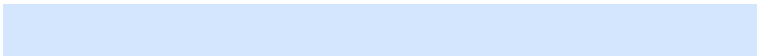
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.2842, 0.3131, 0.3071



77.2842, 0.3274, 0.3570



77.2842, 0.2865, 0.3043

Square

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



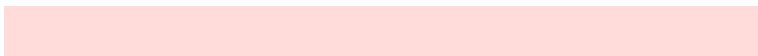
77.2842, 0.3274, 0.3570



77.2842, 0.2859, 0.3263



77.2842, 0.2977, 0.3023



77.2842, 0.3403, 0.3307

Rectangle

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



77.2842, 0.3274, 0.3570



77.2842, 0.3013, 0.3453



77.2842, 0.2977, 0.3023



77.2842, 0.3238, 0.3135

Sweetspot

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



77.2876, 0.3274, 0.3570



99.3497, 0.3166, 0.3363



65.6267, 0.3326, 0.3319



21.2284, 0.3176, 0.3383



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.



77.2876, 0.3274, 0.3570



97.1358, 0.3311, 0.3641



75.3154, 0.3185, 0.3578



16.7282, 0.3250, 0.3523



39.2953, 0.3992, 0.5212



2.9279, 0.4023, 0.5188

Inverse Universe

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



62.1793, 0.2971, 0.2998



73.7957, 0.2928, 0.2919



64.0652, 0.3063, 0.3006



13.9665, 0.2998, 0.3048



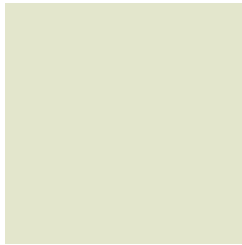
3.3900, 0.1543, 0.0623



0.2771, 0.1638, 0.0676

Previews

White Background



This preview shows how the Yxy color 77.2842, 0.3274, 0.3570 looks on a white background.

Color Contrast Check

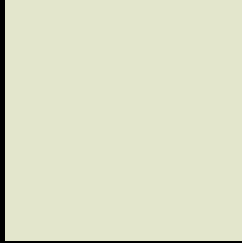
Large Text (above 18pt) WCAG AA × Fail

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 77.2842, 0.3274, 0.3570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

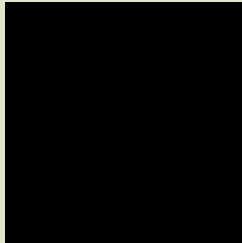
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

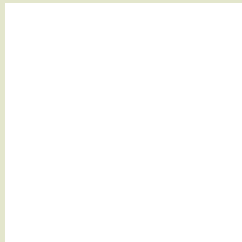
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.2842, 0.3274, 0.3570

Background



This preview shows how black text looks on a background with the Yxy color 77.2842, 0.3274, 0.3570.

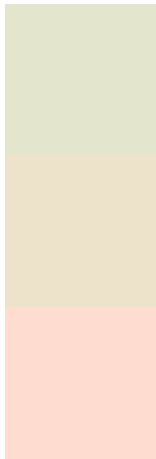


This preview shows how white text looks on a background with the Yxy color 77.2842, 0.3274, 0.3570.

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

77.2842, 0.3274, 0.3570

Protanopia

77.2070, 0.3364, 0.3555

Deuteranopia

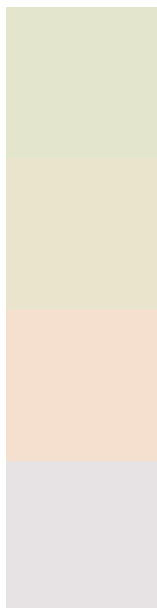
77.0005, 0.3467, 0.3413



Tritanopia

77.0458, 0.3074, 0.3104

Trichromacy



Original Color

77.2842, 0.3274, 0.3570

Protanomaly

77.1222, 0.3326, 0.3557

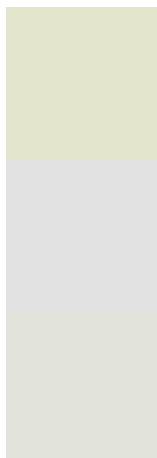
Deuteranomaly

77.2288, 0.3393, 0.3467

Tritanomaly

76.9831, 0.3149, 0.3269

Monochromacy



Original Color

77.2842, 0.3274, 0.3570

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

76.1689, 0.3178, 0.3386

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.2842, 0.3274, 0.3570 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, 230, 204)` looks like.

```
.text, #text, p{  
    color:rgb(227, 230, 204)  
}
```

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, 230, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 230, 204) }
```

Border

The CSS property to change the border of an element to Yxy 77.2842, 0.3274, 0.3570 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, 230, 204) }
```

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

```
.border{ border-color:rgb(227, 230, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 230, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 230, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 230, 204);  
box-shadow:4px 4px 4px 4px rgb(227, 230,  
204) }
```


Background

The CSS property to change the background color of an element to $Yxy\ 77.2842, 0.3274, 0.3570$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 230, 204) }
```

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

```
.background{ background-color: rgb(227,  
230, 204) }
```

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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