

Converting Colors

$Y_{xy}(77.6285, 0.3375, 0.3756)$

Have a look what the booklet for
Yxy(77.6285, 0.3375, 0.3756)
contains.

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Color

Yxy(77.7182, 0.3370, 0.3756)

Conversions

Conversions Part 1

Format	Color
Hex	E3E8BD
RGB	227, 232, 189
RGB Percent	89%, 91%, 74%
CMY	0.1096, 0.0902, 0.2588
CMYK	0.02, 0.00, 0.19, 0.09
HSL	67°, 48%, 83%
HSV	67°, 19%, 91%
XYZ	69.7312, 77.7182, 59.4681
YIQ	225.6030, 10.8230, -14.4330

Conversions

Conversions Part 2

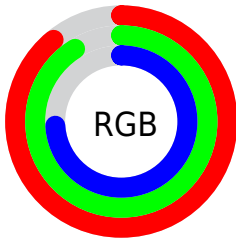
Format	Color
R _Y B	189, 232, 194
Decimal	14936253
CIE Lab	90.65, -8.75, 20.40
CIE LCh	91, 22.196, 113.213
Yxy	77.7182, 0.3370, 0.3756
Android (android.graphics.Color)	4293126333 (0xFFE3E8BD)
YUV	225.6030, -18.0453, 1.2252
Hunter-Lab	88.1579, -13.0864, 21.7157

Details

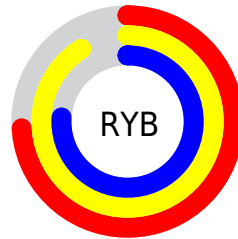
The Yxy color $77.7182, 0.3370, 0.3756$ is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be $53.6821, 0.2857, 0.2789$, and the grayscale version is $75.8850, 0.3127, 0.3290$.

A 20% lighter version of the original color is $99.3726, 0.3185, 0.3386$, and $41.4862, 0.3416, 0.3855$ is the 20% darker color. If you saturate the color by 10%, you get $76.3628, 0.3501, 0.4016$, and if you desaturate by 10%, it is $79.2484, 0.3238, 0.3500$.

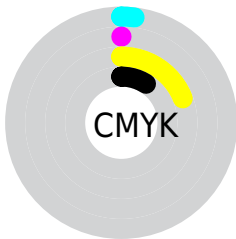
Distribution



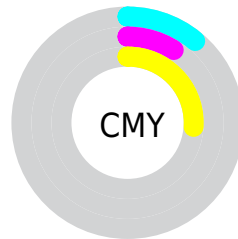
- Red (89%)
- Green (91%)
- Blue (74%)



- Red (74%)
- Yellow (91%)
- Blue (76%)



- Cyan (2%)
- Magenta (0%)
- Yellow (19%)
- Black (9%)





- Cyan (11%)
- Magenta (9%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.7182, 0.3370, 0.3756 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 77.7182, 0.3370, 0.3756 by changing the saturation by 10% instead.


 77.7182, 0.3370,
0.3756

 77.7182, 0.3370,
0.3756


487.2093, 0.3261,
0.3540

 57.8425, 0.3394,
0.3806


 130.1528, 0.3333,
0.3681

 41.6821, 0.3423,
0.3867


163.4805, 0.3318,
0.3652

 28.8524, 0.3459,
0.3944


202.0610, 0.3306,
0.3626

 18.9692, 0.3504,
0.4045

246.2787, 0.3295,
0.3605

 11.6480, 0.3563,
0.4182

296.5180, 0.3285,
0.3585

 6.5045, 0.3641,
0.4377

353.1632, 0.3276,

 3.1542, 0.3745,

0.3568

0.4674

416.5989, 0.3268,
0.3553

■ 1.2128, 0.4284,
0.5716

■ 0.0721, 0.0000,
1.0000

■ 77.7182, 0.3370,
0.3756

■ 77.7182, 0.3370,
0.3756

■ 76.3628, 0.3501,
0.4016

■ 79.2484, 0.3238,
0.3500

■ 75.1641, 0.3627,
0.4272


■ 80.9502, 0.3108,
0.3255


■ 74.1173, 0.3741,
0.4514

■ 82.5999, 0.3006,
0.3059

■ 73.2134, 0.3839,
0.4732

■ 83.0576, 0.3023,
0.3060

 72.4422, 0.3915,
0.4915

 83.5221, 0.3041,
0.3061

 71.7922, 0.3965,
0.5057

 83.9936, 0.3058,
0.3062


 71.2500, 0.3990,
0.5153

 84.4719, 0.3076,
0.3064

 70.7958, 0.3990,
0.5208

 84.9571, 0.3094,
0.3065

 70.7324, 0.3989,
0.5214

 85.4493, 0.3111,
0.3066

Harmonies

Analogous

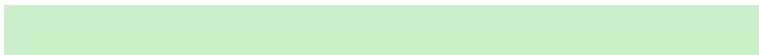
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.7182, 0.3569, 0.3691



77.7182, 0.3370, 0.3756



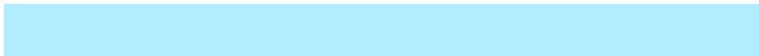
77.7182, 0.3112, 0.3685

Triad

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



77.7182, 0.3370, 0.3756



77.7182, 0.2632, 0.3024



77.7182, 0.3387, 0.3096

Complementary

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



77.7182, 0.3370, 0.3756



53.6821, 0.2857, 0.2789

Split Complementary

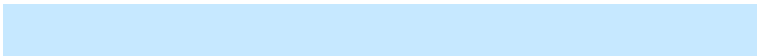
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.7182, 0.3126, 0.2935



77.7182, 0.3370, 0.3756



77.7182, 0.2698, 0.2887

Square

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



77.7182, 0.3370, 0.3756



77.7182, 0.2692, 0.3245



77.7182, 0.2875, 0.2858



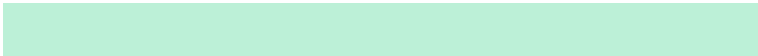
77.7182, 0.3581, 0.3308

Rectangle

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



77.7182, 0.3370, 0.3756



77.7182, 0.2941, 0.3567



77.7182, 0.2875, 0.2858



77.7182, 0.3303, 0.3035

Sweetspot

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



77.7216, 0.3370, 0.3756



98.7213, 0.3205, 0.3438



59.1004, 0.3480, 0.3339



21.1017, 0.3214, 0.3454



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.



77.7216, 0.3370, 0.3756



95.6957, 0.3417, 0.3849



74.5329, 0.3222, 0.3778



16.7287, 0.3250, 0.3523



39.3063, 0.3993, 0.5212



2.9286, 0.4024, 0.5187

Inverse Universe

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



53.6821, 0.2857, 0.2789



61.0501, 0.2797, 0.2680



56.6364, 0.3015, 0.2812



13.9661, 0.2998, 0.3048



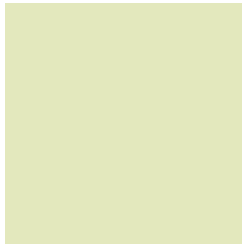
3.3888, 0.1542, 0.0623



0.2769, 0.1637, 0.0676

Previews

White Background



This preview shows how the Yxy color 77.7182, 0.3370, 0.3756 looks on a white background.

Color Contrast Check

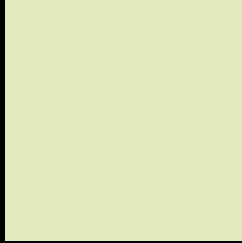
Large Text (above 18pt) WCAG AA × Fail

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 77.7182, 0.3370, 0.3756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

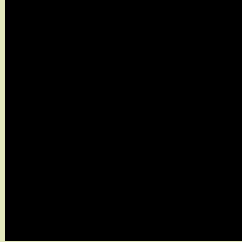
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

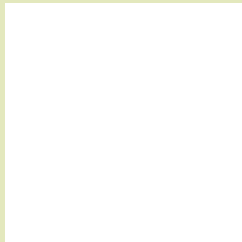
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.7182, 0.3370, 0.3756

Background



This preview shows how black text looks on a background with the Yxy color 77.7182, 0.3370, 0.3756.

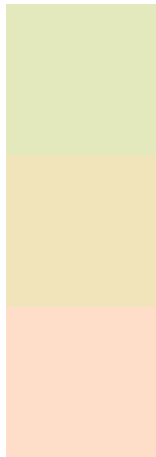


This preview shows how white text looks on a background with the Yxy color 77.7182, 0.3370, 0.3756.

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

77.7182, 0.3370, 0.3756

Protanopia

77.7754, 0.3493, 0.3722

Deuteranopia

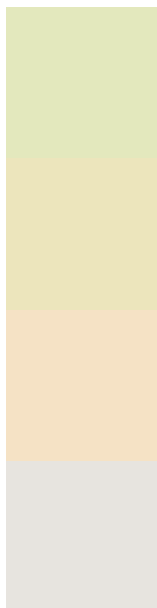
77.7196, 0.3513, 0.3504



Tritanopia

77.7537, 0.3080, 0.3115

Trichromacy



Original Color

77.7182, 0.3370, 0.3756

Protanomaly

77.5023, 0.3447, 0.3727

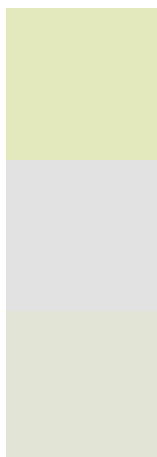
Deuteranomaly

77.8364, 0.3458, 0.3592

Tritanomaly

77.8034, 0.3180, 0.3343

Monochromacy



Original Color

77.7182, 0.3370, 0.3756

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

76.4597, 0.3210, 0.3451

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.7182, 0.3370, 0.3756 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, 232, 189)` looks like.

```
.text, #text, p{  
    color:rgb(227, 232, 189)  
}
```

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, 232, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 232, 189) }
```

Border

The CSS property to change the border of an element to Yxy 77.7182, 0.3370, 0.3756 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, 232, 189) }
```

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

```
.border{ border-color:rgb(227, 232, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 232, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 232, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 232, 189); box-shadow:4px 4px 4px 4px rgb(227, 232, 189) }
```


Background

The CSS property to change the background color of an element to Yxy 77.7182, 0.3370, 0.3756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 232, 189) }
```

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

```
.background{ background-color: rgb(227,  
232, 189) }
```

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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