

Converting Colors

$Yxy(77.2417, 0.3365, 0.3931)$

Have a look what the booklet for
Yxy(77.2417, 0.3365, 0.3931)
contains.

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Color

Yxy(77.3427, 0.3370, 0.3933)

Conversions

Conversions Part 1

Format	Color
Hex	D9EBB1
RGB	217, 235, 177
RGB Percent	85%, 92%, 69%
CMY	0.1488, 0.0785, 0.3058
CMYK	0.08, 0.00, 0.25, 0.08
HSL	79°, 59%, 81%
HSV	79°, 25%, 92%
XYZ	66.2713, 77.3427, 53.0367
YIQ	223.0060, 7.8900, -21.8540

Conversions

Conversions Part 2

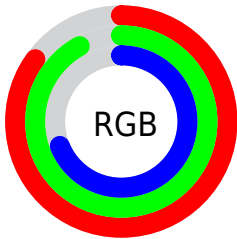
Format	Color
RYB	177, 235, 195
Decimal	14281649
CIELab	90.48, -15.59, 26.22
CIELCh	90, 30.508, 120.737
Yxy	77.3427, 0.3370, 0.3933
Android (android.graphics.Color)	4292471729 (0xFFD9EBB1)
YUV	223.0060, -22.6810, -5.2673
Hunter-Lab	87.9447, -19.3934, 25.8054

Details

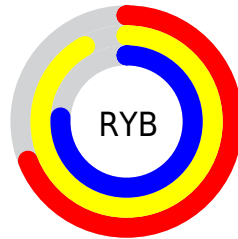
The Yxy color **77.3427, 0.3370, 0.3933** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **49.0434, 0.2838, 0.2616**, and the grayscale version is **73.9642, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6632, 0.3256, 0.3503**, and **41.3768, 0.3423, 0.4086** is the 20% darker color. If you saturate the color by 10%, you get **75.3979, 0.3463, 0.4211**, and if you desaturate by 10%, it is **79.5048, 0.3272, 0.3662**.

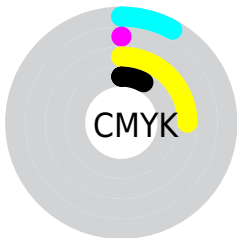
Distribution



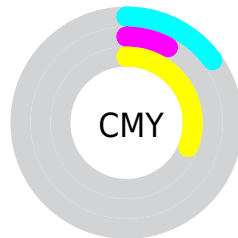
- Red (85%)
- Green (92%)
- Blue (69%)



- Red (69%)
- Yellow (92%)
- Blue (76%)



- Cyan (8%)
- Magenta (0%)
- Yellow (25%)
- Black (8%)




- Cyan (15%)
- Magenta (8%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.3427, 0.3370, 0.3933 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 77.3427, 0.3370, 0.3933 by changing the saturation by 10% instead.

 77.3427, 0.3370,
0.3933

 77.3427, 0.3370,
0.3933

485.9317, 0.3264,
0.3631

 57.5342, 0.3392,
0.4003

 129.6231, 0.3335,
0.3828

 41.4343, 0.3419,
0.4089

162.8638, 0.3321,
0.3787

 28.6586, 0.3451,
0.4199

201.3507, 0.3308,
0.3752

 18.8227, 0.3489,
0.4342

245.4682, 0.3297,
0.3721

 11.5422, 0.3536,
0.4537

295.6006, 0.3288,
0.3695

 6.4328, 0.3589,
0.4815


352.1324, 0.3279,


 3.1100, 0.3659,

0.3671

0.5266


415.4480, 0.3271,
0.3650

 1.1894, 0.3777,
0.6223


 0.0530, 0.0000,
1.0000


 77.3427, 0.3370,
0.3933


 77.3427, 0.3370,
0.3933


 75.3979, 0.3463,
0.4211

 79.5048, 0.3272,
0.3662


 73.6513, 0.3547,
0.4487

 81.8822, 0.3173,
0.3405

 72.0966, 0.3617,
0.4750

 84.4862, 0.3076,
0.3164

 70.7233, 0.3667,
0.4987

 86.2495, 0.3078,
0.3094

■ 69.5194, 0.3693,
0.5187

■ 87.5914, 0.3126,
0.3097

■ 68.4714, 0.3693,
0.5340

■ 87.8918, 0.3136,
0.3097

■ 67.5626, 0.3669,
0.5444

■ 67.1219, 0.3649,
0.5484

Harmonies

Analogous

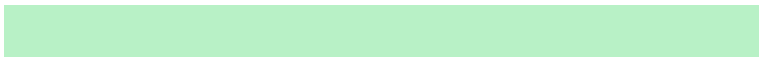
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.3427, 0.3676, 0.3877



77.3427, 0.3370, 0.3933



77.3427, 0.3011, 0.3789

Triad

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



77.3427, 0.3370, 0.3933



77.3427, 0.2463, 0.2861



77.3427, 0.3564, 0.3091

Complementary

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



77.3427, 0.3370, 0.3933



49.0434, 0.2838, 0.2616

Split Complementary

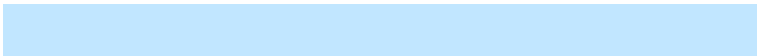
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.3427, 0.3214, 0.2856



77.3427, 0.3370, 0.3933



77.3427, 0.2590, 0.2718

Square

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



77.3427, 0.3370, 0.3933



77.3427, 0.2500, 0.3138



77.3427, 0.2858, 0.2720



77.3427, 0.3797, 0.3382

Rectangle

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



77.3427, 0.3370, 0.3933



77.3427, 0.2790, 0.3598



77.3427, 0.2858, 0.2720



77.3427, 0.3455, 0.3004

Sweetspot

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



77.3461, 0.3370, 0.3933



97.8706, 0.3196, 0.3464



59.6005, 0.3600, 0.3485



20.9104, 0.3202, 0.3479



0.0000, 0.0000, 0.0000



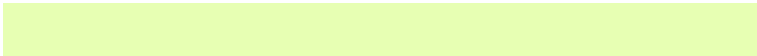
21.4041, 0.3127, 0.3290

Same Dimension

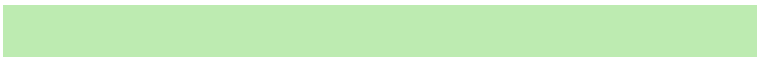
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.3461, 0.3370, 0.3933



91.7979, 0.3422, 0.4084



73.3556, 0.3171, 0.3975



17.3796, 0.3220, 0.3526



37.4299, 0.3658, 0.5478



2.9896, 0.3734, 0.5417

Inverse Universe

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



49.0434, 0.2838, 0.2616



51.8408, 0.2760, 0.2447



53.1982, 0.3062, 0.2659



14.7750, 0.3028, 0.3050



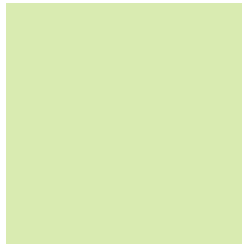
4.1798, 0.1715, 0.0718



0.3774, 0.1863, 0.0800

Previews

White Background



This preview shows how the Yxy color 77.3427, 0.3370, 0.3933 looks on a white background.

Color Contrast Check

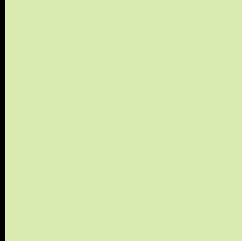
Large Text (above 18pt) WCAG AA × Fail

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 77.3427, 0.3370, 0.3933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

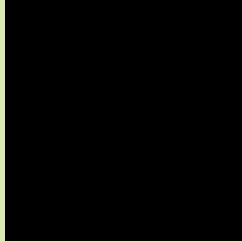
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

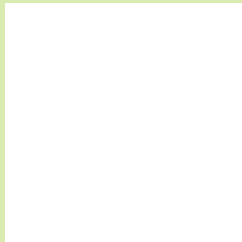
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.3427, 0.3370, 0.3933

Background



This preview shows how black text looks on a background with the Yxy color 77.3427, 0.3370, 0.3933.



This preview shows how white text looks on a background with the Yxy color 77.3427, 0.3370, 0.3933.

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

77.3427, 0.3370, 0.3933

Protanopia

77.0100, 0.3606, 0.3858

Deuteranopia

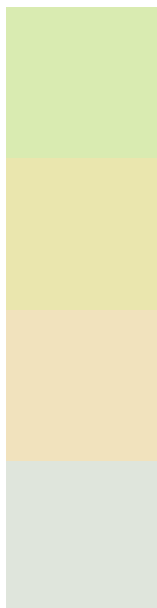
76.9584, 0.3551, 0.3546



Tritanopia

77.0931, 0.3014, 0.3102

Trichromacy



Original Color

77.3427, 0.3370, 0.3933

Protanomaly

77.1420, 0.3524, 0.3891

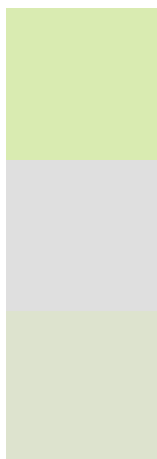
Deuteranomaly

76.7676, 0.3484, 0.3681

Tritanomaly

76.8939, 0.3143, 0.3387

Monochromacy



Original Color

77.3427, 0.3370, 0.3933

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

74.7666, 0.3221, 0.3520

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.3427, 0.3370, 0.3933 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(217, 235, 177)` looks like.

```
.text, #text, p{  
    color:rgb(217, 235, 177)  
}
```

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(217, 235, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 235, 177) }
```

Border

The CSS property to change the border of an element to Yxy 77.3427, 0.3370, 0.3933 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(217, 235, 177) }
```

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

```
.border{ border-color:rgb(217, 235, 177) }
```

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

Here you see how a box with a 4 pixel rgb(217, 235, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 235, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 235, 177);  
box-shadow:4px 4px 4px 4px rgb(217, 235,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 77.3427, 0.3370, 0.3933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 235, 177) }
```

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

```
.background{ background-color: rgb(217,  
235, 177) }
```

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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