

Converting Colors

Yxy(67.9933, 0.3941, 0.4834)

Have a look what the booklet for
Yxy(67.9933, 0.3941, 0.4834)
contains.

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Color

Yxy(67.9933, 0.3941, 0.4834)

Conversions

Conversions Part 1

Format	Color
Hex	D5E04D
RGB	213, 224, 77
RGB Percent	84%, 88%, 30%
CMY	0.1648, 0.1215, 0.6979
CMYK	0.05, 0.00, 0.66, 0.12
HSL	65°, 70%, 59%
HSV	65°, 66%, 88%
XYZ	55.4327, 67.9933, 17.2304
YIQ	203.9530, 40.6310, -48.0490

Conversions

Conversions Part 2

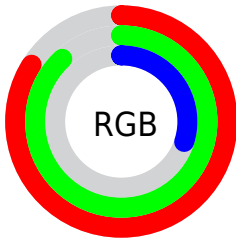
Format	Color
RYB	77, 224, 88
Decimal	14016589
CIELab	86.00, -21.92, 67.69
CIELCh	86, 71.150, 107.946
Yxy	67.9933, 0.3941, 0.4834
Android (android.graphics.Color)	4292206669 (0xFFD5E04D)
YUV	203.9530, -62.5878, 7.9342
Hunter-Lab	82.4580, -24.3044, 45.3314

Details

The Yxy color **67.9933, 0.3941, 0.4834** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **12.7742, 0.1921, 0.1218**, and the grayscale version is **60.7388, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4735, 0.3834, 0.4459**, and **35.3511, 0.4046, 0.5159** is the 20% darker color. If you saturate the color by 10%, you get **67.4823, 0.4006, 0.4980**, and if you desaturate by 10%, it is **68.6221, 0.3851, 0.4648**.

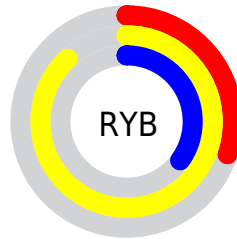
Distribution



Red (84%)

Green (88%)

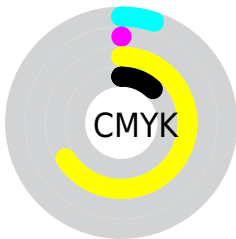
Blue (30%)



Red (30%)

Yellow (88%)

Blue (35%)

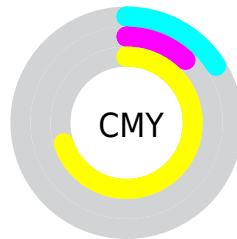


Cyan (5%)

Magenta (0%)

Yellow (66%)

Black (12%)



Cyan (16%)


Magenta (12%)


Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.9933, 0.3941, 0.4834 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 67.9933, 0.3941, 0.4834 by changing the saturation by 10% instead.


 67.9933, 0.3941,
0.4834

 67.9933, 0.3941,
0.4834


453.4723, 0.3616,
0.4124

 49.8923, 0.3994,
0.4984


 116.3426, 0.3844,
0.4595


 35.3278, 0.4046,
0.5158


 147.3596, 0.3801,
0.4500


 23.9155, 0.4090,
0.5361


 183.4507, 0.3762,
0.4416

 15.2710, 0.4111,
0.5591

 225.0004, 0.3727,
0.4343

 9.0098, 0.4111,
0.5889

 272.3930, 0.3695,
0.4278

 4.7476, 0.3922,
0.6078


326.0129, 0.3666,

 2.0999, 0.3612,


0.4221


0.6388


386.2446, 0.3640,
0.4170


 0.6646, 0.1268,
0.8732


 0.0000, 0.0000,
0.0000

 67.9933, 0.3941,
0.4834


 67.9933, 0.3941,
0.4834


 67.4823, 0.4006,
0.4980


 68.6221, 0.3851,
0.4648


 67.0680, 0.4046,
0.5082


 69.3693, 0.3741,
0.4429

 66.7391, 0.4060,
0.5140


 70.2471, 0.3615,
0.4188

 66.6108, 0.4061,
0.5158


 71.2634, 0.3480,
0.3935

 72.4259, 0.3341,
0.3678

 73.7412, 0.3203,
0.3427

 75.2159, 0.3069,
0.3186

 76.7752, 0.2949,
0.2971

 77.0490, 0.2960,
0.2972

Harmonies

Analogous

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



67.9933, 0.4585, 0.4366



67.9933, 0.3941, 0.4834



67.9933, 0.3129, 0.4833

Triad

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



67.9933, 0.3941, 0.4834



67.9933, 0.1656, 0.2458



67.9933, 0.3821, 0.2587

Complementary

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



67.9933, 0.3941, 0.4834



12.7742, 0.1921, 0.1218

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.



67.9933, 0.2922, 0.2187



67.9933, 0.3941, 0.4834



67.9933, 0.1780, 0.2076

Square

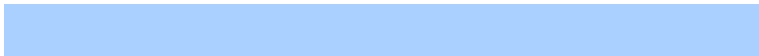
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.9933, 0.3941, 0.4834



67.9933, 0.1842, 0.3201



67.9933, 0.2203, 0.2003



67.9933, 0.4577, 0.3134

Rectangle

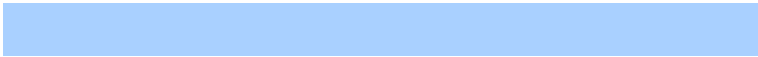
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.9933, 0.3941, 0.4834



67.9933, 0.2597, 0.4449



67.9933, 0.2203, 0.2003



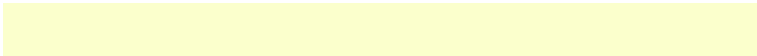
67.9933, 0.3517, 0.2433

Sweetspot

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



67.9964, 0.3941, 0.4834



96.4209, 0.3404, 0.3795



23.1758, 0.5196, 0.3394



20.5447, 0.3444, 0.3867



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.



67.9964, 0.3941, 0.4834



90.2866, 0.4025, 0.5026



59.4922, 0.3389, 0.5178



15.9745, 0.3256, 0.3522



38.7907, 0.4063, 0.5156



2.7046, 0.4084, 0.5139

Inverse Universe

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



12.7742, 0.1921, 0.1218



11.0698, 0.1696, 0.0862



18.2030, 0.2529, 0.1501



13.2922, 0.2992, 0.3048



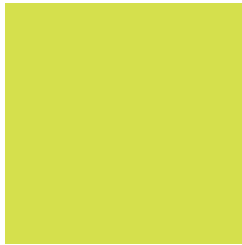
3.2197, 0.1525, 0.0614



0.2406, 0.1595, 0.0652

Previews

White Background



This preview shows how the Yxy color 67.9933, 0.3941, 0.4834 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 67.9933, 0.3941, 0.4834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

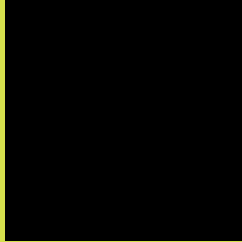
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.9933, 0.3941, 0.4834

Background



This preview shows how black text looks on a background with the Yxy color 67.9933, 0.3941, 0.4834.

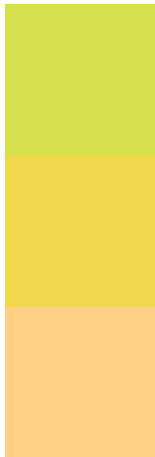


This preview shows how white text looks on a background with the Yxy color 67.9933, 0.3941, 0.4834.

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

67.9933, 0.3941, 0.4834

Protanopia

67.6341, 0.4224, 0.4645

Deuteranopia

67.6069, 0.4051, 0.4036



Tritanopia

67.9151, 0.3143, 0.3118

Trichromacy



Original Color

67.9933, 0.3941, 0.4834

Protanomaly

67.4876, 0.4119, 0.4711

Deuteranomaly

67.3060, 0.4037, 0.4333

Tritanomaly

67.1090, 0.3482, 0.3776

Monochromacy



Original Color

67.9933, 0.3941, 0.4834

Achromatopsia

60.3827, 0.3127, 0.3290

Achromatomaly

62.3226, 0.3472, 0.3920

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.9933, 0.3941, 0.4834 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(213, 224, 77)` looks like.

```
.text, #text, p{  
    color:rgb(213, 224, 77)  
}
```

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(213, 224, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 224, 77) }
```

Border

The CSS property to change the border of an element to Yxy 67.9933, 0.3941, 0.4834 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(213, 224, 77) }
```

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

```
.border{ border-color:rgb(213, 224, 77) }
```

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

Here you see how a box with a 4 pixel rgb(213, 224, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 224, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 224, 77);  
box-shadow:4px 4px 4px 4px rgb(213, 224,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 67.9933, 0.3941, 0.4834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 224, 77) }
```

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

```
.background{ background-color: rgb(213,  
224, 77) }
```

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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