

Converting Colors

$Yxy(71.8029, 0.3945, 0.4859)$

Have a look what the booklet for
Yxy(71.8029, 0.3945, 0.4859)
contains.

Yxy(71.8671, 0.3941, 0.4865)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(71.8671, 0.3941, 0.4865)

Conversions

Conversions Part 1

Format	Color
Hex	D9E64C
RGB	217, 230, 76
RGB Percent	85%, 90%, 30%
CMY	0.1490, 0.0980, 0.7020
CMYK	0.06, 0.00, 0.67, 0.10
HSL	65°, 75%, 60%
HSV	65°, 67%, 90%
XYZ	58.2175, 71.8671, 17.6381
YIQ	208.5570, 41.6860, -50.6500

Conversions

Conversions Part 2

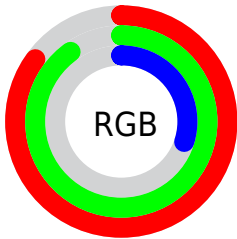
Format	Color
RYB	76, 230, 89
Decimal	14280268
CIELab	87.90, -23.24, 70.12
CIELCh	88, 73.870, 108.334
Yxy	71.8671, 0.3941, 0.4865
Android (android.graphics.Color)	4292470348 (0xFFD9E64C)
YUV	208.5570, -65.3506, 7.4045
Hunter-Lab	84.7745, -25.7733, 47.0063

Details

The Yxy color **71.8671, 0.3941, 0.4865** 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 **13.0043, 0.1903, 0.1179**, and the grayscale version is **63.8718, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4735, 0.3834, 0.4459**, and **38.0309, 0.4034, 0.5179** is the 20% darker color. If you saturate the color by 10%, you get **71.3099, 0.4001, 0.5007**, and if you desaturate by 10%, it is **72.5487, 0.3856, 0.4682**.

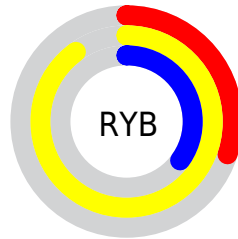
Distribution



Red (85%)

Green (90%)

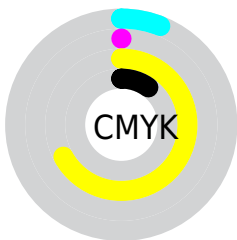
Blue (30%)



Red (30%)

Yellow (90%)

Blue (35%)

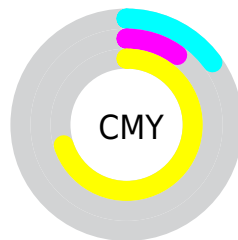


Cyan (6%)

Magenta (0%)

Yellow (67%)

Black (10%)



Cyan (15%)

Magenta (10%)

Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.8671, 0.3941, 0.4865 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 71.8671, 0.3941, 0.4865 by changing the saturation by 10% instead.


 71.8671, 0.3941,
0.4865


 71.8671, 0.3941,
0.4865

467.0789, 0.3623,
0.4148


 53.0501, 0.3991,
0.5014


 121.8676, 0.3847,
0.4626

 37.8428, 0.4040,
0.5187


 153.8198, 0.3806,
0.4529


 25.8607, 0.4080,
0.5387


 190.9193, 0.3768,
0.4445

 16.7195, 0.4095,
0.5612

 233.5504, 0.3733,
0.4371

 10.0347, 0.4093,
0.5907

 282.0975, 0.3702,
0.4306

 5.4220, 0.3908,
0.6092

336.9451, 0.3673,

 2.4969, 0.3612,

0.4247

0.6388

398.4774, 0.3647,
0.4195

0.8751, 0.2321,
0.7679

0.0000, 0.0000,
0.0000

71.8671, 0.3941,
0.4865

71.8671, 0.3941,
0.4865

71.3099, 0.4001,
0.5007

72.5487, 0.3856,
0.4682

70.8544, 0.4035,
0.5104


73.3557, 0.3750,
0.4465


70.4872, 0.4044,
0.5159


74.3011, 0.3627,
0.4225


70.3849, 0.4044,
0.5171

75.3937, 0.3495,
0.3972

 76.6415, 0.3358,
0.3714

 78.0518, 0.3221,
0.3461

 79.6317, 0.3087,
0.3217

 81.0617, 0.2990,
0.3037

 81.3894, 0.3002,
0.3038

Harmonies

Analogous

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



71.8671, 0.4601, 0.4387



71.8671, 0.3941, 0.4865



71.8671, 0.3114, 0.4861

Triad

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



71.8671, 0.3941, 0.4865



71.8671, 0.1633, 0.2434



71.8671, 0.3845, 0.2581

Complementary

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



71.8671, 0.3941, 0.4865



13.0043, 0.1903, 0.1179

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.



71.8671, 0.2929, 0.2174



71.8671, 0.3941, 0.4865



71.8671, 0.1763, 0.2053

Square

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



71.8671, 0.3941, 0.4865



71.8671, 0.1816, 0.3185



71.8671, 0.2195, 0.1984



71.8671, 0.4612, 0.3137

Rectangle

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



71.8671, 0.3941, 0.4865



71.8671, 0.2575, 0.4464



71.8671, 0.2195, 0.1984



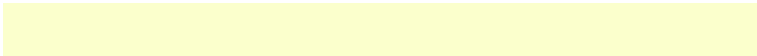
71.8671, 0.3536, 0.2425

Sweetspot

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



71.8704, 0.3941, 0.4865



96.3324, 0.3401, 0.3795



24.4610, 0.5241, 0.3419



20.5232, 0.3440, 0.3868



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.



71.8704, 0.3941, 0.4865



89.8985, 0.4016, 0.5046



62.7074, 0.3372, 0.5227



16.7521, 0.3255, 0.3523



39.8726, 0.4046, 0.5169



2.9648, 0.4069, 0.5151

Inverse Universe

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



13.0043, 0.1903, 0.1179



10.8244, 0.1690, 0.0846



18.9698, 0.2537, 0.1478



13.9450, 0.2993, 0.3048



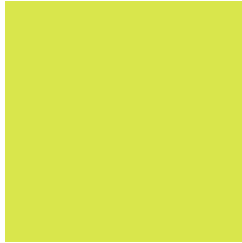
3.3366, 0.1528, 0.0615



0.2668, 0.1602, 0.0656

Previews

White Background



This preview shows how the Yxy color 71.8671, 0.3941, 0.4865 looks on a white background.

Color Contrast Check

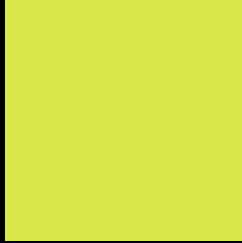
Large Text (above 18pt) WCAG AA × Fail

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 71.8671, 0.3941, 0.4865 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 71.8671, 0.3941, 0.4865

Background



This preview shows how black text looks on a background with the Yxy color 71.8671, 0.3941, 0.4865.



This preview shows how white text looks on a background with the Yxy color 71.8671, 0.3941, 0.4865.

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

71.8671, 0.3941, 0.4865

Protanopia

71.7868, 0.4237, 0.4674

Deuteranopia

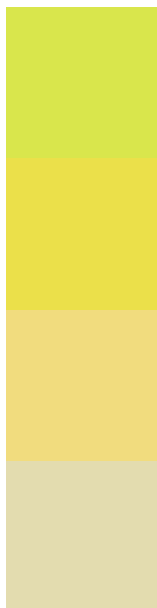
71.7197, 0.3869, 0.3897



Tritanopia

71.5829, 0.3136, 0.3111

Trichromacy



Original Color

71.8671, 0.3941, 0.4865

Protanomaly

71.4679, 0.4127, 0.4745

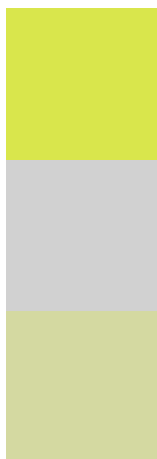
Deuteranomaly

71.3935, 0.3928, 0.4273

Tritanomaly

70.6124, 0.3488, 0.3789

Monochromacy



Original Color

71.8671, 0.3941, 0.4865

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

66.1960, 0.3476, 0.3940

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.8671, 0.3941, 0.4865 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, 230, 76)` looks like.

```
.text, #text, p{  
    color:rgb(217, 230, 76)  
}
```

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, 230, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 230, 76) }
```

Border

The CSS property to change the border of an element to Yxy 71.8671, 0.3941, 0.4865 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, 230, 76) }
```

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

```
.border{ border-color:rgb(217, 230, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 230, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 230, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 230, 76);  
box-shadow:4px 4px 4px 4px rgb(217, 230,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 71.8671, 0.3941, 0.4865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 230, 76) }
```

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

```
.background{ background-color: rgb(217,  
230, 76) }
```

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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