

Converting Colors

$Yxy(71.8011, 0.3896, 0.4564)$

Have a look what the booklet for
Yxy(71.8011, 0.3896, 0.4564)
contains.

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Color

Yxy(71.6021, 0.3896, 0.4561)

Conversions

Conversions Part 1

Format	Color
Hex	E2E26A
RGB	226, 226, 106
RGB Percent	89%, 89%, 42%
CMY	0.1137, 0.1137, 0.5844
CMYK	0.00, 0.00, 0.53, 0.11
HSL	60°, 67%, 65%
HSV	60°, 53%, 89%
XYZ	61.1624, 71.6021, 24.2232
YIQ	212.3200, 38.5200, -37.3200

Conversions

Conversions Part 2

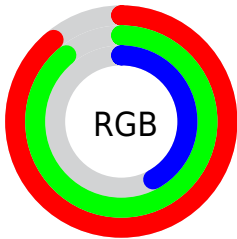
Format	Color
R_{YB}	106, 226, 106
Decimal	14869098
CIE _{Lab}	87.78, -15.64, 57.74
CIE _{LCh}	88, 59.821, 105.159
Yxy	71.6021, 0.3896, 0.4561
Android (android.graphics.Color)	4293059178 (0xFFE2E26A)
YUV	212.3200, -52.4158, 11.9974
Hunter-Lab	84.6180, -19.0607, 42.2599

Details

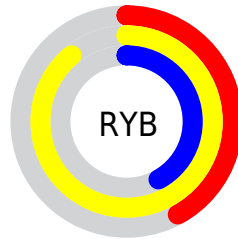
The Yxy color **71.6021, 0.3896, 0.4561** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **18.8559, 0.2104, 0.1598**, and the grayscale version is **66.3994, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3181, 0.3689, 0.4219**, and **37.6986, 0.4022, 0.4839** is the 20% darker color. If you saturate the color by 10%, you get **71.1954, 0.4005, 0.4741**, and if you desaturate by 10%, it is **72.1393, 0.3768, 0.4349**.

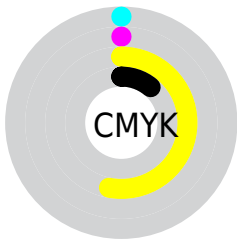
Distribution



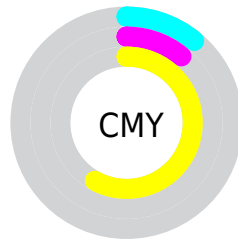
- Red (89%)
- Green (89%)
- Blue (42%)



- Red (42%)
- Yellow (89%)
- Blue (42%)



- Cyan (0%)
- Magenta (0%)
- Yellow (53%)
- Black (11%)





- Cyan (11%)
- Magenta (11%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.6021, 0.3896, 0.4561 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 71.6021, 0.3896, 0.4561 by changing the saturation by 10% instead.

 71.6021, 0.3896,
0.4561


 71.6021, 0.3896,
0.4561

466.1555, 0.3572,
0.3977


 52.8337, 0.3957,
0.4687


 121.4907, 0.3793,
0.4363


 37.6700, 0.4025,
0.4836


 153.3796, 0.3750,
0.4285

 25.7267, 0.4097,
0.5014


 190.4108, 0.3712,
0.4216

 16.6193, 0.4166,
0.5225

 232.9688, 0.3677,
0.4156

 9.9634, 0.4229,
0.5487

281.4378, 0.3647,
0.4104

 5.3747, 0.4230,
0.5770

336.2024, 0.3619,

 2.4688, 0.4033,

0.4057

397.6468, 0.3594,
0.4015

0.5967

0.8609, 0.3364,
0.6636

0.0000, 0.0000,
0.0000

71.6021, 0.3896,
0.4561

71.6021, 0.3896,
0.4561

71.1954, 0.4005,
0.4741

72.1393, 0.3768,
0.4349

70.8992, 0.4090,
0.4882


72.8060, 0.3625,
0.4114

70.7055, 0.4149,
0.4979

73.6134, 0.3475,
0.3865


70.6003, 0.4182,
0.5033


74.5691, 0.3323,
0.3613

 70.5640, 0.4193,
0.5053

 75.6800, 0.3173,
0.3365

 76.9525, 0.3029,
0.3127

 77.7876, 0.2947,
0.2992

 77.7879, 0.2947,
0.2992

 77.7882, 0.2947,
0.2992

Harmonies

Analogous

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



71.6021, 0.4401, 0.4186



71.6021, 0.3896, 0.4561



71.6021, 0.3217, 0.4564

Triad

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



71.6021, 0.3896, 0.4561



71.6021, 0.1874, 0.2654



71.6021, 0.3638, 0.2658

Complementary

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



71.6021, 0.3896, 0.4561



18.8559, 0.2104, 0.1598

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.



71.6021, 0.2899, 0.2324



71.6021, 0.3896, 0.4561



71.6021, 0.1955, 0.2284

Square

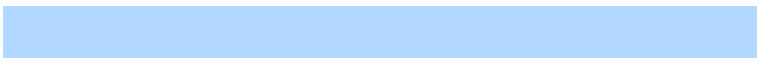
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.6021, 0.3896, 0.4561



71.6021, 0.2074, 0.3303



71.6021, 0.2304, 0.2187



71.6021, 0.4281, 0.3129

Rectangle

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



71.6021, 0.3896, 0.4561



71.6021, 0.2760, 0.4280



71.6021, 0.2304, 0.2187



71.6021, 0.3388, 0.2528

Sweetspot

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



71.6054, 0.3896, 0.4561



97.6446, 0.3368, 0.3689



27.5537, 0.4658, 0.3272



20.8434, 0.3400, 0.3741



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.



71.6054, 0.3896, 0.4561



93.5466, 0.4018, 0.4762



63.7606, 0.3449, 0.4786



16.0295, 0.3267, 0.3522



40.2536, 0.4193, 0.5053



2.7902, 0.4193, 0.5053

Inverse Universe

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



18.8559, 0.2104, 0.1598



17.1054, 0.1877, 0.1223



23.6843, 0.2578, 0.1786



13.2434, 0.2980, 0.3047



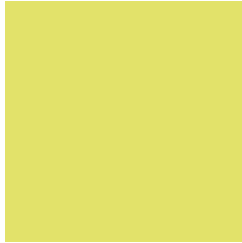
3.1327, 0.1500, 0.0600



0.2172, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 71.6021, 0.3896, 0.4561 looks on a white background.

Color Contrast Check

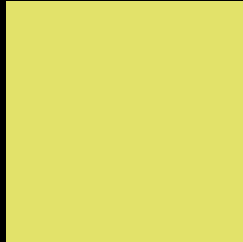
Large Text (above 18pt) WCAG AA × Fail

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 71.6021, 0.3896, 0.4561 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

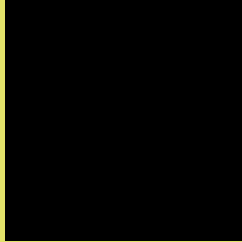
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.6021, 0.3896, 0.4561

Background



This preview shows how black text looks on a background with the Yxy color 71.6021, 0.3896, 0.4561.



This preview shows how white text looks on a background with the Yxy color 71.6021, 0.3896, 0.4561.

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

71.6021, 0.3896, 0.4561

Protanopia

71.4190, 0.4081, 0.4457

Deuteranopia

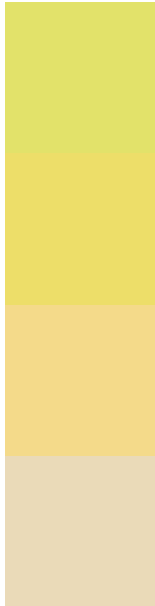
71.2828, 0.3859, 0.3868



Tritanopia

71.5964, 0.3208, 0.3124

Trichromacy



Original Color

71.6021, 0.3896, 0.4561

Protanomaly

71.2670, 0.4009, 0.4493

Deuteranomaly

71.2109, 0.3884, 0.4130

Tritanomaly

71.0959, 0.3483, 0.3660

Monochromacy



Original Color

71.6021, 0.3896, 0.4561

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

67.3946, 0.3431, 0.3793

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.6021, 0.3896, 0.4561 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(226, 226, 106)` looks like.

```
.text, #text, p{  
    color:rgb(226, 226, 106)  
}
```

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(226, 226, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 226, 106) }
```

Border

The CSS property to change the border of an element to Yxy 71.6021, 0.3896, 0.4561 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(226, 226, 106) }
```

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

```
.border{ border-color:rgb(226, 226, 106) }
```

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

Here you see how a box with a 4 pixel rgb(226, 226, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 226, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 226, 106);  
box-shadow:4px 4px 4px 4px rgb(226, 226,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 71.6021, 0.3896, 0.4561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 226, 106) }
```

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

```
.background{ background-color: rgb(226,  
226, 106) }
```

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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