

Converting Colors

$Y_{xy}(75.6544, 0.4142, 0.5093)$

Have a look what the booklet for
Yxy(75.6544, 0.4142, 0.5093)
contains.

Yxy(75.9106, 0.4141, 0.5094)	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(75.9106, 0.4141, 0.5094)

Conversions

Conversions Part 1

Format	Color
Hex	E4EB00
RGB	228, 235, 0
RGB Percent	89%, 92%, 0%
CMY	0.1058, 0.0784, 0.9998
CMYK	0.03, 0.00, 1.00, 0.08
HSL	62°, 100%, 46%
HSV	62°, 100%, 92%
XYZ	61.7090, 75.9106, 11.4000
YIQ	206.1170, 71.2630, -74.5690

Conversions

Conversions Part 2

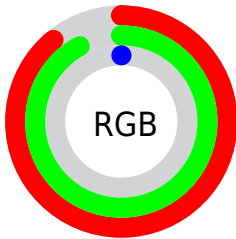
Format	Color
RYB	0, 235, 7
Decimal	15002368
CIELab	89.82, -23.16, 88.18
CIELCh	90, 91.171, 104.715
Yxy	75.9106, 0.4141, 0.5094
Android (android.graphics.Color)	4293192448 (0xFFE4EB00)
YUV	206.1170, -101.6157, 19.1914
Hunter-Lab	87.1267, -26.0459, 53.2309

Details

The Yxy color **75.9106, 0.4141, 0.5094** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **6.0443, 0.1507, 0.0604**, and the grayscale version is **62.4374, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5527, 0.4017, 0.4761**, and **40.9673, 0.4077, 0.5145** is the 20% darker color. If you saturate the color by 10%, you get **75.9138, 0.4141, 0.5094**, and if you desaturate by 10%, it is **76.0925, 0.4127, 0.5058**.

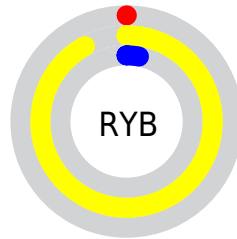
Distribution



Red (89%)

Green (92%)

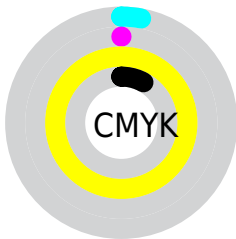
Blue (0%)



Red (0%)

Yellow (92%)

Blue (3%)

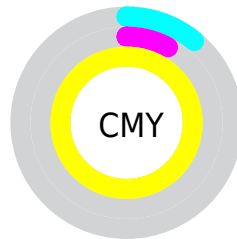


Cyan (3%)

Magenta (0%)

Yellow (100%)

Black (8%)



Cyan (11%)


Magenta (8%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.9106, 0.4141, 0.5094 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 75.9106, 0.4141, 0.5094 by changing the saturation by 10% instead.


 75.9106, 0.4141,
0.5094

 75.9106, 0.4141,
0.5094


481.0416, 0.3779,
0.4323

 56.3592, 0.4186,
0.5236


 127.6005, 0.4045,
0.4851

 40.4910, 0.4221,
0.5392


 160.5078, 0.3999,
0.4749


 27.9216, 0.4236,
0.5556


 198.6359, 0.3955,
0.4657

 18.2665, 0.4240,
0.5760

 242.3692, 0.3914,
0.4575

 11.1415, 0.4123,
0.5877

 292.0920, 0.3877,
0.4502

 6.1621, 0.3953,
0.6047


 348.1887, 0.3842,


 2.9439, 0.3686,


0.4436


0.6314


411.0438, 0.3809,
0.4377


 1.1025, 0.2979,
0.7021


 0.0000, 0.0000,
0.0000


 75.9106, 0.4141,
0.5094


 75.9106, 0.4141,
0.5094

 75.9138, 0.4141,
0.5094

 76.0925, 0.4127,
0.5058

 76.3488, 0.4092,
0.4985

 76.7076, 0.4030,
0.4869

 77.1831, 0.3943,
0.4709

■ 77.7875, 0.3833,
0.4512

■ 78.5314, 0.3705,
0.4287

■ 79.4241, 0.3564,
0.4042

■ 80.4744, 0.3418,
0.3789

■ 81.6902, 0.3271,
0.3536

Harmonies

Analogous

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



75.9106, 0.4906, 0.4425



75.9106, 0.4141, 0.5094



75.9106, 0.3183, 0.5276

Triad

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



75.9106, 0.4141, 0.5094



75.9106, 0.1400, 0.2332



75.9106, 0.3849, 0.2386

Complementary

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



75.9106, 0.4141, 0.5094



6.0443, 0.1507, 0.0604

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.



75.9106, 0.2755, 0.1953



75.9106, 0.4141, 0.5094



75.9106, 0.1510, 0.1868

Square

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



75.9106, 0.4141, 0.5094



75.9106, 0.1632, 0.3271



75.9106, 0.1950, 0.1768



75.9106, 0.4836, 0.2994

Rectangle

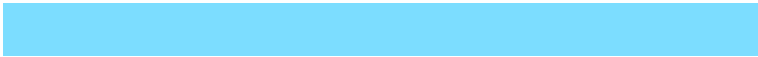
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.9106, 0.4141, 0.5094



75.9106, 0.2546, 0.4872



75.9106, 0.1950, 0.1768



75.9106, 0.3469, 0.2217

Sweetspot

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



75.9141, 0.4141, 0.5094



95.5863, 0.3567, 0.4046



17.7480, 0.6392, 0.3307



20.3574, 0.3627, 0.4151



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.



75.9141, 0.4141, 0.5094



91.3723, 0.4141, 0.5094



62.9672, 0.3333, 0.5735



17.6029, 0.3263, 0.3523



42.2603, 0.4142, 0.5093



3.3256, 0.4149, 0.5087

Inverse Universe

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



6.0443, 0.1507, 0.0604



7.2689, 0.1506, 0.0603



10.0955, 0.2042, 0.0898



14.5702, 0.2984, 0.3047



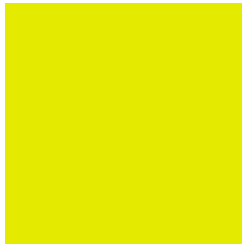
3.3729, 0.1509, 0.0605



0.2724, 0.1535, 0.0619

Previews

White Background



This preview shows how the Yxy color 75.9106, 0.4141, 0.5094 looks on a white background.

Color Contrast Check

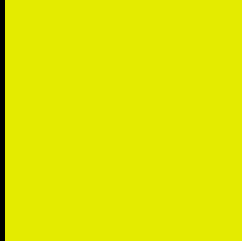
Large Text (above 18pt) WCAG AA × Fail

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 75.9106, 0.4141, 0.5094 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 75.9106, 0.4141, 0.5094

Background



This preview shows how black text looks on a background with the Yxy color 75.9106, 0.4141, 0.5094.



This preview shows how white text looks on a background with the Yxy color 75.9106, 0.4141, 0.5094.

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

75.9106, 0.4141, 0.5094

Protanopia

75.6527, 0.4413, 0.4878

Deuteranopia

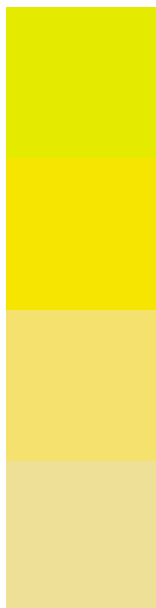
75.3867, 0.3733, 0.3793



Tritanopia

75.4320, 0.3193, 0.3107

Trichromacy



Original Color

75.9106, 0.4141, 0.5094

Protanomaly

75.4511, 0.4314, 0.4956

Deuteranomaly

74.3670, 0.4033, 0.4454

Tritanomaly

73.6905, 0.3732, 0.4080

Monochromacy



Original Color

75.9106, 0.4141, 0.5094

Achromatopsia

61.7207, 0.3127, 0.3290

Achromatomaly

65.5605, 0.3694, 0.4275

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.9106, 0.4141, 0.5094 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(228, 235, 0)` looks like.

```
.text, #text, p{  
    color:rgb(228, 235, 0)  
}
```

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(228, 235, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 235, 0) }
```

Border

The CSS property to change the border of an element to Yxy 75.9106, 0.4141, 0.5094 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(228, 235, 0) }
```

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

```
.border{ border-color:rgb(228, 235, 0) }
```

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

Here you see how a box with a 4 pixel rgb(228, 235, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 235, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 235, 0);  
box-shadow:4px 4px 4px 4px rgb(228, 235,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 75.9106, 0.4141, 0.5094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 235, 0) }
```

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

```
.background{ background-color: rgb(228,  
235, 0) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor