

Converting Colors

$Y_{xy}(75.6172, 0.4098, 0.5032)$

Have a look what the booklet for
Yxy(75.6172, 0.4098, 0.5032)
contains.

Yxy(75.8811, 0.4094, 0.5034)	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(75.8811, 0.4094, 0.5034)

Conversions

Conversions Part 1

Format	Color
Hex	E3EB25
RGB	227, 235, 37
RGB Percent	89%, 92%, 15%
CMY	0.1100, 0.0784, 0.8549
CMYK	0.03, 0.00, 0.84, 0.08
HSL	62°, 83%, 53%
HSV	62°, 84%, 92%
XYZ	61.7118, 75.8811, 13.1443
YIQ	210.0360, 58.7900, -63.2740

Conversions

Conversions Part 2

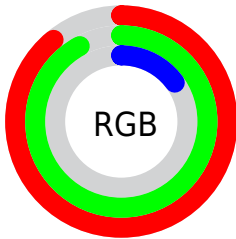
Format	Color
R _Y B	37, 235, 45
Decimal	14936869
CIE Lab	89.80, -23.09, 83.58
CIE LCh	90, 86.708, 105.446
Yxy	75.8811, 0.4094, 0.5034
Android (android.graphics.Color)	4293126949 (0xFFE3EB25)
YUV	210.0360, -85.3067, 14.8774
Hunter-Lab	87.1098, -25.9860, 52.0304

Details

The Yxy color **75.8811, 0.4094, 0.5034** 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 **7.8825, 0.1612, 0.0759**, and the grayscale version is **65.0154, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7999, 0.3965, 0.4675**, and **40.4557, 0.4077, 0.5145** is the 20% darker color. If you saturate the color by 10%, you get **75.6263, 0.4117, 0.5091**, and if you desaturate by 10%, it is **76.2386, 0.4046, 0.4934**.

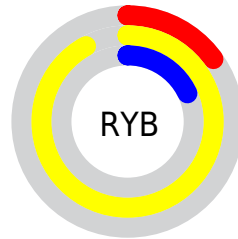
Distribution



Red (89%)

Green (92%)

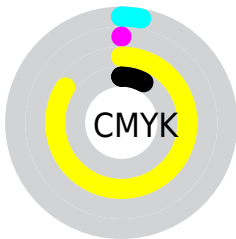
Blue (15%)



Red (15%)

Yellow (92%)

Blue (18%)

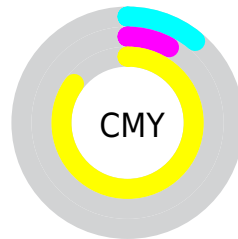


Cyan (3%)

Magenta (0%)

Yellow (84%)

Black (8%)



Cyan (11%)


Magenta (8%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.8811, 0.4094, 0.5034 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 75.8811, 0.4094, 0.5034 by changing the saturation by 10% instead.


 75.8811, 0.4094,
0.5034


 75.8811, 0.4094,
0.5034


480.9406, 0.3740,
0.4276


 56.3350, 0.4142,
0.5179


 127.5588, 0.3997,
0.4792

 40.4716, 0.4182,
0.5339


 160.4592, 0.3951,
0.4691


 27.9064, 0.4206,
0.5513


 198.5799, 0.3909,
0.4601

 18.2551, 0.4221,
0.5729

 242.3052, 0.3869,
0.4521

 11.1333, 0.4125,
0.5875

 292.0195, 0.3833,
0.4450

 6.1566, 0.3956,
0.6044


348.1073, 0.3799,

 2.9405, 0.3689,


0.4386


0.6311


410.9528, 0.3768,
0.4329


 1.1008, 0.2983,
0.7017


 0.0000, 0.0000,
0.0000


 75.8811, 0.4094,
0.5034


 75.8811, 0.4094,
0.5034


 75.6263, 0.4117,
0.5091

 76.2386, 0.4046,
0.4934

 75.5072, 0.4121,
0.5110

 76.7040, 0.3971,
0.4790

 77.2937, 0.3872,
0.4606

 78.0190, 0.3753,
0.4390

■ 78.8896, 0.3619,
0.4150

■ 79.9146, 0.3476,
0.3899

■ 81.1022, 0.3331,
0.3644

■ 82.4601, 0.3187,
0.3394

■ 83.9954, 0.3048,
0.3154

Harmonies

Analogous

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



75.8811, 0.4828, 0.4416



75.8811, 0.4094, 0.5034



75.8811, 0.3171, 0.5164

Triad

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



75.8811, 0.4094, 0.5034



75.8811, 0.1462, 0.2364



75.8811, 0.3843, 0.2436

Complementary

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



75.8811, 0.4094, 0.5034



7.8825, 0.1612, 0.0759

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.



75.8811, 0.2798, 0.2011



75.8811, 0.4094, 0.5034



75.8811, 0.1575, 0.1920

Square

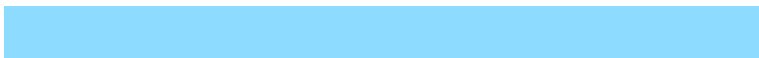
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.8811, 0.4094, 0.5034



75.8811, 0.1684, 0.3252



75.8811, 0.2012, 0.1825



75.8811, 0.4771, 0.3030

Rectangle

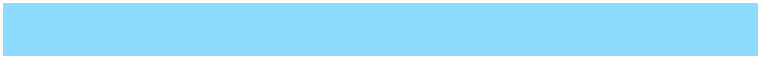
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.8811, 0.4094, 0.5034



75.8811, 0.2560, 0.4761



75.8811, 0.2012, 0.1825



75.8811, 0.3483, 0.2271

Sweetspot

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



75.8846, 0.4094, 0.5034



96.0640, 0.3489, 0.3921



19.5714, 0.6044, 0.3333



20.4650, 0.3540, 0.4010



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.



75.8846, 0.4094, 0.5034



90.8650, 0.4121, 0.5110



64.2598, 0.3390, 0.5563



17.5939, 0.3262, 0.3523



42.0304, 0.4123, 0.5109



3.3101, 0.4133, 0.5100

Inverse Universe

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



7.8825, 0.1612, 0.0759



7.2870, 0.1508, 0.0605



13.1284, 0.2248, 0.1096



14.5782, 0.2986, 0.3047



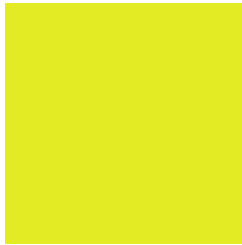
3.3858, 0.1513, 0.0607



0.2762, 0.1548, 0.0626

Previews

White Background



This preview shows how the Yxy color 75.8811, 0.4094, 0.5034 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 75.8811, 0.4094, 0.5034 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 75.8811, 0.4094, 0.5034

Background



This preview shows how black text looks on a background with the Yxy color 75.8811, 0.4094, 0.5034.



This preview shows how white text looks on a background with the Yxy color 75.8811, 0.4094, 0.5034.

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

75.8811, 0.4094, 0.5034

Protanopia

75.5790, 0.4370, 0.4831

Deuteranopia

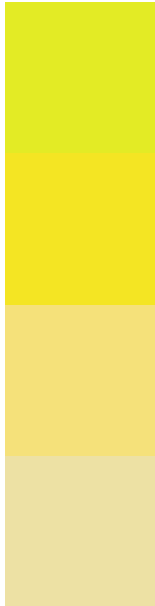
75.3867, 0.3733, 0.3793



Tritanopia

75.7739, 0.3185, 0.3117

Trichromacy



Original Color

75.8811, 0.4094, 0.5034

Protanomaly

75.3931, 0.4270, 0.4905

Deuteranomaly

74.6680, 0.3959, 0.4341

Tritanomaly

74.5353, 0.3627, 0.3944

Monochromacy



Original Color

75.8811, 0.4094, 0.5034

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

67.3685, 0.3597, 0.4113

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.8811, 0.4094, 0.5034 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(227, 235, 37)` looks like.

```
.text, #text, p{  
    color:rgb(227, 235, 37)  
}
```

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(227, 235, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 235, 37) }
```

Border

The CSS property to change the border of an element to Yxy 75.8811, 0.4094, 0.5034 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(227, 235, 37) }
```

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

```
.border{ border-color:rgb(227, 235, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 235, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 235, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 235, 37);  
box-shadow:4px 4px 4px 4px rgb(227, 235,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 75.8811, 0.4094, 0.5034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 235, 37) }
```

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

```
.background{ background-color: rgb(227,  
235, 37) }
```

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