

Converting Colors

$Y_{xy}(125.5511, 0.3677, 0.5116)$

Have a look what the booklet for
Yxy(125.5511, 0.3677, 0.5116)
contains.

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Color

Yxy(90.2972, 0.3891, 0.4838)

Conversions

Conversions Part 1

Format	Color
Hex	EDFF5C
RGB	237, 255, 92
RGB Percent	93%, 100%, 36%
CMY	0.0705, 0.0000, 0.6393
CMYK	0.07, 0.00, 0.64, 0.00
HSL	67°, 100%, 68%
HSV	67°, 64%, 100%
XYZ	72.6222, 90.2972, 23.7221
YIQ	231.0360, 41.5950, -54.5090

Conversions

Conversions Part 2

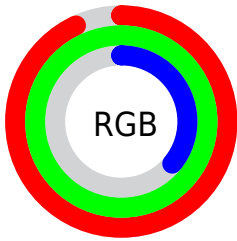
Format	Color
R _Y B	92, 255, 110
Decimal	15597404
CIE Lab	96.12, -26.17, 72.97
CIE LCh	96, 77.517, 109.733
Yxy	90.2972, 0.3891, 0.4838
Android (android.graphics.Color)	4293787484 (0xFFEDFF5C)
YUV	231.0360, -68.5447, 5.2304
Hunter-Lab	95.0248, -29.8758, 51.7161

Details

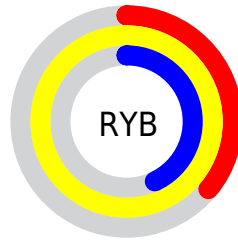
The Yxy color **90.2972, 0.3891, 0.4838** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **18.1842, 0.1978, 0.1271**, and the grayscale version is **80.4401, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9499, 0.3750, 0.4320**, and **49.9277, 0.3984, 0.5134** is the 20% darker color. If you saturate the color by 10%, you get **89.4475, 0.3954, 0.4998**, and if you desaturate by 10%, it is **91.3124, 0.3804, 0.4639**.

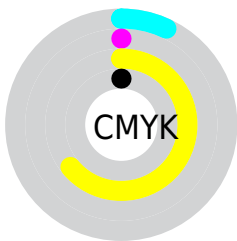
Distribution



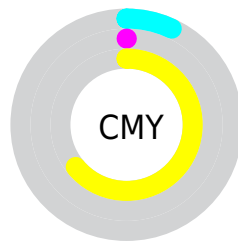
- Red (93%)
- Green (100%)
- Blue (36%)



- Red (36%)
- Yellow (100%)
- Blue (43%)



- Cyan (7%)
- Magenta (0%)
- Yellow (64%)
- Black (0%)



- Cyan (7%)
- Magenta (0%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.2972, 0.3891, 0.4838 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 90.2972, 0.3891, 0.4838 by changing the saturation by 10% instead.


 90.2972, 0.3891,
0.4838


 90.2972, 0.3891,
0.4838


528.9972, 0.3606,
0.4157

 68.2272, 0.3935,
0.4976


 147.7511, 0.3808,
0.4614

 50.0826, 0.3979,
0.5137

 183.9039, 0.3771,
0.4523

 35.4790, 0.4018,
0.5323


 225.5196, 0.3737,
0.4443

 24.0321, 0.4040,
0.5534

 272.9827, 0.3706,
0.4373

 15.3574, 0.4040,
0.5787

326.6776, 0.3678,
0.4310

 9.0706, 0.3959,
0.6041


386.9887, 0.3652,

 4.7873, 0.3734,

0.4253

0.6266

454.3005, 0.3628,
0.4203


 2.1230, 0.3364,
0.6636


 0.6775, 0.0074,
0.9926


 90.2972, 0.3891,
0.4838

 90.2972, 0.3891,
0.4838


 89.4475, 0.3954,
0.4998


 91.3124, 0.3804,
0.4639


 88.7356, 0.3990,
0.5113


 92.4948, 0.3697,
0.4409

 88.1463, 0.4000,
0.5183

 93.8606, 0.3575,
0.4159

 87.8315, 0.3997,
0.5208

 95.4206, 0.3445,
0.3899

 97.1849, 0.3311,
0.3639

 99.1628, 0.3178,
0.3386

100.0000, 0.3127,
0.3290

Harmonies

Analogous

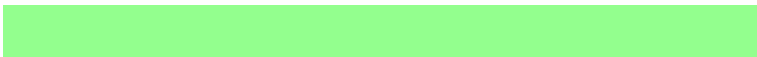
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.2972, 0.4545, 0.4394



90.2972, 0.3891, 0.4838



90.2972, 0.3081, 0.4796

Triad

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



90.2972, 0.3891, 0.4838



90.2972, 0.1665, 0.2433



90.2972, 0.3867, 0.2621

Complementary

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



90.2972, 0.3891, 0.4838



18.1842, 0.1978, 0.1271

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.



90.2972, 0.2975, 0.2213



90.2972, 0.3891, 0.4838



90.2972, 0.1806, 0.2073

Square

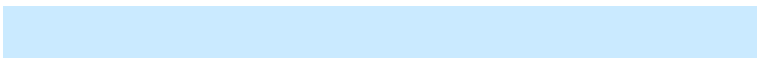
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.2972, 0.3891, 0.4838



90.2972, 0.1832, 0.3149



90.2972, 0.2245, 0.2016



90.2972, 0.4596, 0.3172

Rectangle

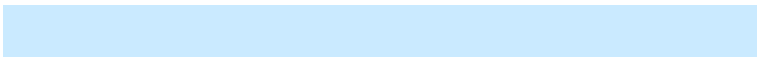
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.2972, 0.3891, 0.4838



90.2972, 0.2558, 0.4390



90.2972, 0.2245, 0.2016



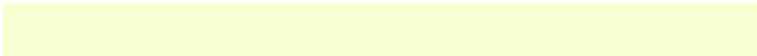
90.2972, 0.3568, 0.2466

Sweetspot

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



90.3011, 0.3891, 0.4838



96.2638, 0.3379, 0.3770



32.8182, 0.5097, 0.3444



20.4983, 0.3417, 0.3845



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.



90.3011, 0.3891, 0.4838



89.2145, 0.3968, 0.5038



79.4798, 0.3356, 0.5166



20.9831, 0.3252, 0.3526



45.9347, 0.4000, 0.5206



4.5003, 0.4024, 0.5187

Inverse Universe

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



18.1842, 0.1978, 0.1271



12.0307, 0.1755, 0.0921



25.7924, 0.2591, 0.1552



17.4736, 0.2996, 0.3045



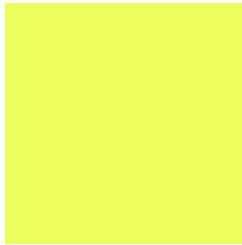
3.9330, 0.1538, 0.0621



0.4127, 0.1608, 0.0659

Previews

White Background



This preview shows how the Yxy color 90.2972, 0.3891, 0.4838 looks on a white background.

Color Contrast Check

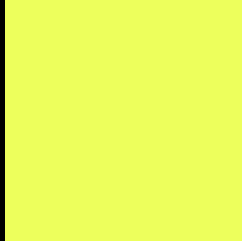
Large Text (above 18pt) WCAG AA × Fail

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 90.2972, 0.3891, 0.4838 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 90.2972, 0.3891, 0.4838

Background



This preview shows how black text looks on a background with the Yxy color 90.2972, 0.3891, 0.4838.

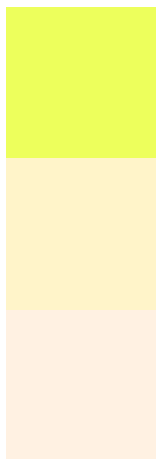


This preview shows how white text looks on a background with the Yxy color 90.2972, 0.3891, 0.4838.

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

90.2972, 0.3891, 0.4838

Protanopia

90.1784, 0.3469, 0.3718

Deuteranopia

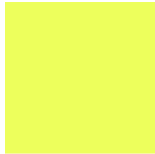
89.6616, 0.3314, 0.3438



Tritanopia

90.2356, 0.3114, 0.3145

Trichromacy



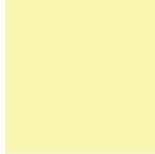
Original Color

90.2972, 0.3891, 0.4838



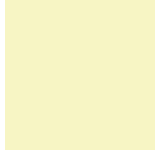
Protanomaly

89.6645, 0.3657, 0.4166



Deuteranomaly

89.0423, 0.3566, 0.3989



Tritanomaly

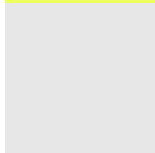
89.0645, 0.3443, 0.3787

Monochromacy



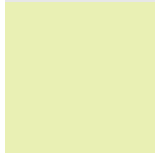
Original Color

90.2972, 0.3891, 0.4838



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

82.9391, 0.3455, 0.3925

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.2972, 0.3891, 0.4838 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(237, 255, 92)` looks like.

```
.text, #text, p{  
    color:rgb(237, 255, 92)  
}
```

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(237, 255, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 255, 92) }
```

Border

The CSS property to change the border of an element to Yxy 90.2972, 0.3891, 0.4838 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(237, 255, 92) }
```

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

```
.border{ border-color:rgb(237, 255, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 255, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 255, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 255, 92);  
box-shadow:4px 4px 4px 4px rgb(237, 255,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 90.2972, 0.3891, 0.4838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 255, 92) }
```

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

```
.background{ background-color: rgb(237,  
255, 92) }
```

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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