

Converting Colors

$Y_{xy}(130.1478, 0.3728, 0.5364)$

Have a look what the booklet for
Yxy(130.1478, 0.3728, 0.5364)
contains.

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Color

Yxy(89.1398, 0.4016, 0.5113)

Conversions

Conversions Part 1

Format	Color
Hex	EAFF24
RGB	234, 255, 36
RGB Percent	92%, 100%, 14%
CMY	0.0823, 0.0000, 0.8587
CMYK	0.08, 0.00, 0.86, 0.00
HSL	66°, 100%, 57%
HSV	66°, 86%, 100%
XYZ	70.0148, 89.1398, 15.1850
YIQ	223.7550, 57.7830, -72.5610

Conversions

Conversions Part 2

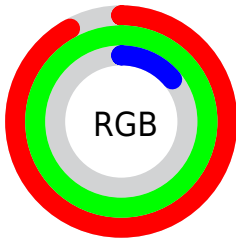
Format	Color
R _Y B	36, 255, 57
Decimal	15400740
CIE Lab	95.64, -29.64, 88.76
CIE LCh	96, 93.581, 108.463
Yxy	89.1398, 0.4016, 0.5113
Android (android.graphics.Color)	4293590820 (0xFFEAF24)
YUV	223.7550, -92.5632, 8.9849
Hunter-Lab	94.4139, -32.8536, 56.5539

Details

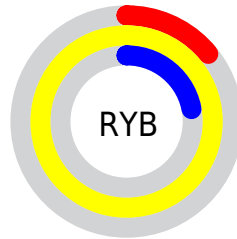
The Yxy color **89.1398, 0.4016, 0.5113** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **9.3528, 0.1629, 0.0748**, and the grayscale version is **75.0054, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8415, 0.3957, 0.4661**, and **49.3868, 0.3981, 0.5221** is the 20% darker color. If you saturate the color by 10%, you get **88.6278, 0.4024, 0.5172**, and if you desaturate by 10%, it is **89.7745, 0.3982, 0.5010**.

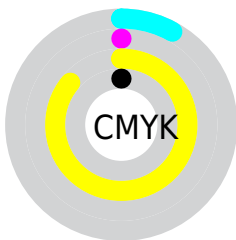
Distribution



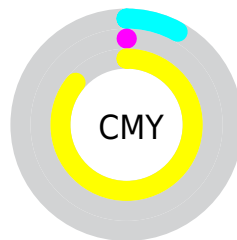
- Red (92%)
- Green (100%)
- Blue (14%)



- Red (14%)
- Yellow (100%)
- Blue (22%)



- Cyan (8%)
- Magenta (0%)
- Yellow (86%)
- Black (0%)





- Cyan (8%)
- Magenta (0%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.1398, 0.4016, 0.5113 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 89.1398, 0.4016, 0.5113 by changing the saturation by 10% instead.


 89.1398, 0.4016,
0.5113

 89.1398, 0.4016,
0.5113


525.2287, 0.3714,
0.4336


 67.2674, 0.4052,
0.5260

 146.1430, 0.3938,
0.4866


 49.3020, 0.4080,
0.5424


 182.0425, 0.3899,
0.4763


 34.8591, 0.4090,
0.5603

 223.3866, 0.3863,
0.4671

 23.5544, 0.4074,
0.5802

 270.5596, 0.3829,
0.4590

 15.0034, 0.4000,
0.6000

 323.9459, 0.3797,
0.4516

 8.8218, 0.3824,
0.6176

383.9300, 0.3767,

 4.6251, 0.3561,

0.4450

0.6439

450.8961, 0.3740,
0.4390

■ 2.0290, 0.3131,
0.6869

■ 0.6243, 0.0000,
1.0000

■ 89.1398, 0.4016,
0.5113

■ 89.1398, 0.4016,
0.5113

■ 88.6278, 0.4024,
0.5172


■ 89.7745, 0.3982,
0.5010

■ 88.4369, 0.4023,
0.5188

■ 90.5426, 0.3922,
0.4862

■ 91.4635, 0.3837,
0.4673

■ 92.5513, 0.3731,
0.4450

 93.8183, 0.3609,
0.4206

 95.2756, 0.3477,
0.3948

 96.9334, 0.3341,
0.3689

 98.8012, 0.3205,
0.3435

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.



89.1398, 0.4796, 0.4500



89.1398, 0.4016, 0.5113



89.1398, 0.3069, 0.5177

Triad

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



89.1398, 0.4016, 0.5113



89.1398, 0.1431, 0.2277



89.1398, 0.3968, 0.2474

Complementary

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



89.1398, 0.4016, 0.5113



9.3528, 0.1629, 0.0748

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.



89.1398, 0.2889, 0.2022



89.1398, 0.4016, 0.5113



89.1398, 0.1578, 0.1870

Square

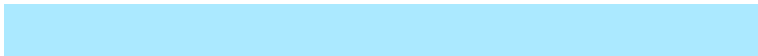
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.1398, 0.4016, 0.5113



89.1398, 0.1617, 0.3136



89.1398, 0.2055, 0.1807



89.1398, 0.4877, 0.3088

Rectangle

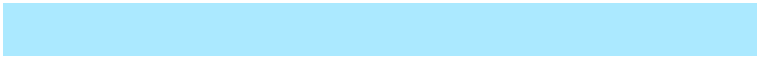
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.1398, 0.4016, 0.5113



89.1398, 0.2457, 0.4704



89.1398, 0.2055, 0.1807



89.1398, 0.3600, 0.2300

Sweetspot

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



89.1430, 0.4016, 0.5113



95.2561, 0.3479, 0.3952



24.0508, 0.6041, 0.3388



20.2761, 0.3525, 0.4041



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.



89.1430, 0.4016, 0.5113



88.4369, 0.4023, 0.5188



76.1796, 0.3322, 0.5640



20.9971, 0.3254, 0.3526



46.2464, 0.4026, 0.5186



4.5275, 0.4046, 0.5169

Inverse Universe

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



9.3528, 0.1629, 0.0748



7.4195, 0.1525, 0.0614



16.3497, 0.2321, 0.1118



17.4610, 0.2993, 0.3045



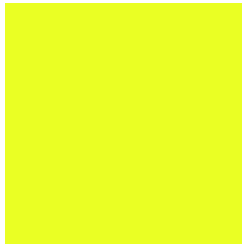
3.9044, 0.1531, 0.0617



0.4067, 0.1594, 0.0652

Previews

White Background



This preview shows how the Yxy color 89.1398, 0.4016, 0.5113 looks on a white background.

Color Contrast Check

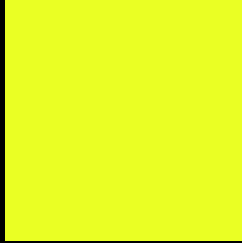
Large Text (above 18pt) WCAG AA × Fail

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 89.1398, 0.4016, 0.5113 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 89.1398, 0.4016, 0.5113

Background



This preview shows how black text looks on a background with the Yxy color 89.1398, 0.4016, 0.5113.

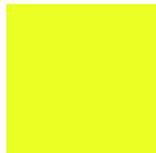


This preview shows how white text looks on a background with the Yxy color 89.1398, 0.4016, 0.5113.

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



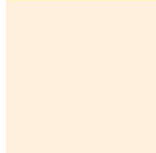
Original Color

89.1398, 0.4016, 0.5113



Protanopia

88.5700, 0.3531, 0.3790



Deuteranopia

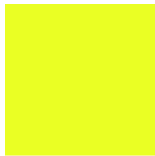
88.8006, 0.3347, 0.3478



Tritanopia

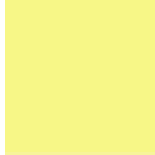
89.0645, 0.3115, 0.3126

Trichromacy



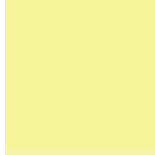
Original Color

89.1398, 0.4016, 0.5113



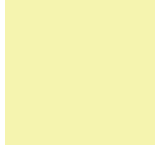
Protanomaly

88.0450, 0.3801, 0.4403



Deuteranomaly

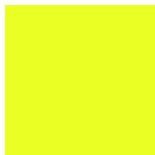
87.4121, 0.3701, 0.4210



Tritanomaly

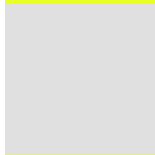
87.2090, 0.3562, 0.3996

Monochromacy



Original Color

89.1398, 0.4016, 0.5113



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

78.3109, 0.3582, 0.4143

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.1398, 0.4016, 0.5113 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(234, 255, 36)` looks like.

```
.text, #text, p{  
    color:rgb(234, 255, 36)  
}
```

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(234, 255, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 255, 36) }
```

Border

The CSS property to change the border of an element to Yxy 89.1398, 0.4016, 0.5113 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(234, 255, 36) }
```

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

```
.border{ border-color:rgb(234, 255, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 255, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 255, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 255, 36);  
box-shadow:4px 4px 4px 4px rgb(234, 255,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 89.1398, 0.4016, 0.5113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 255, 36) }
```

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

```
.background{ background-color: rgb(234,  
255, 36) }
```

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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