

Converting Colors

$Y_{xy}(79.7244, 0.4155, 0.5083)$

Have a look what the booklet for
Yxy(79.7244, 0.4155, 0.5083)
contains.

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Color

Yxy(79.8126, 0.4149, 0.5088)

Conversions

Conversions Part 1

Format	Color
Hex	EA0000
RGB	234, 240, 0
RGB Percent	92%, 94%, 0%
CMY	0.0825, 0.0588, 1.0000
CMYK	0.03, 0.00, 1.00, 0.06
HSL	62°, 100%, 47%
HSV	62°, 100%, 94%
XYZ	65.0830, 79.8126, 11.9688
YIQ	210.8460, 73.4640, -75.9120

Conversions

Conversions Part 2

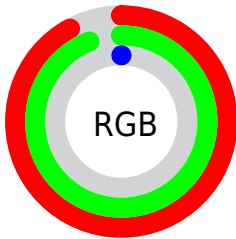
Format	Color
RYB	0, 240, 6
Decimal	15396864
CIELab	91.60, -23.09, 89.71
CIELCh	92, 92.637, 104.435
Yxy	79.8126, 0.4149, 0.5088
Android (android.graphics.Color)	4293586944 (0xFFEAF000)
YUV	210.8460, -103.9471, 20.3061
Hunter-Lab	89.3379, -26.3033, 54.5933

Details

The Yxy color **79.8126, 0.4149, 0.5088** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light saturated yellow. A complement of this color would be **6.3313, 0.1506, 0.0603**, and the grayscale version is **65.6977, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5703, 0.4013, 0.4755**, and **43.1652, 0.4089, 0.5135** is the 20% darker color. If you saturate the color by 10%, you get **79.8167, 0.4149, 0.5088**, and if you desaturate by 10%, it is **79.9852, 0.4135, 0.5053**.

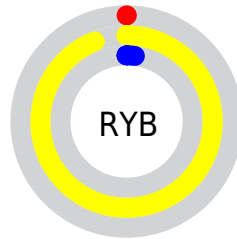
Distribution



Red (92%)

Green (94%)

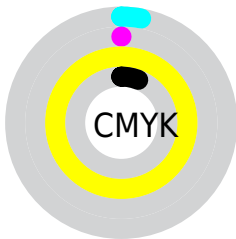
Blue (0%)



Red (0%)

Yellow (94%)

Blue (2%)

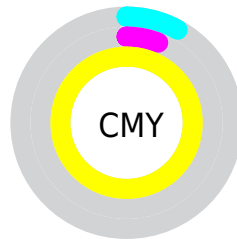


Cyan (3%)

Magenta (0%)

Yellow (100%)

Black (6%)



Cyan (8%)


Magenta (6%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.8126, 0.4149, 0.5088 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 79.8126, 0.4149, 0.5088 by changing the saturation by 10% instead.

 79.8126, 0.4149,
0.5088


 79.8126, 0.4149,
0.5088


494.3011, 0.3788,
0.4328


 59.5642, 0.4194,
0.5227


 133.1022, 0.4053,
0.4850

 43.0674, 0.4230,
0.5378


 166.9122, 0.4007,
0.4749


 29.9380, 0.4247,
0.5538


 206.0115, 0.3964,
0.4659

 19.7916, 0.4259,
0.5741

 250.7844, 0.3923,
0.4579

 12.2436, 0.4149,
0.5851

 301.6155, 0.3885,
0.4506

 6.9098, 0.3991,
0.6009


 358.8890, 0.3850,


 3.4058, 0.3747,


0.4441


0.6253


422.9894, 0.3818,
0.4382


 1.3471, 0.3278,
0.6722


 0.1772, 0.0000,
1.0000


 79.8126, 0.4149,
0.5088


 79.8126, 0.4149,
0.5088

 79.8167, 0.4149,
0.5088

 79.9852, 0.4135,
0.5053

 80.2356, 0.4099,
0.4982

 80.5934, 0.4037,
0.4866

 81.0737, 0.3949,
0.4708

■ 81.6892, 0.3838,
0.4512

■ 82.4512, 0.3709,
0.4287

■ 83.3695, 0.3568,
0.4043

■ 84.4533, 0.3420,
0.3790

■ 85.7109, 0.3272,
0.3537

Harmonies

Analogous

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



79.8126, 0.4910, 0.4417



79.8126, 0.4149, 0.5088



79.8126, 0.3192, 0.5277

Triad

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



79.8126, 0.4149, 0.5088



79.8126, 0.1401, 0.2339



79.8126, 0.3838, 0.2381

Complementary

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



79.8126, 0.4149, 0.5088



6.3313, 0.1506, 0.0603

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.



79.8126, 0.2746, 0.1951



79.8126, 0.4149, 0.5088



79.8126, 0.1508, 0.1872

Square

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



79.8126, 0.4149, 0.5088



79.8126, 0.1637, 0.3282



79.8126, 0.1945, 0.1768



79.8126, 0.4828, 0.2988

Rectangle

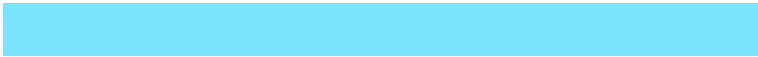
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.8126, 0.4149, 0.5088



79.8126, 0.2555, 0.4879



79.8126, 0.1945, 0.1768



79.8126, 0.3458, 0.2214

Sweetspot

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



79.8167, 0.4149, 0.5088



95.6506, 0.3569, 0.4046



18.6150, 0.6392, 0.3307



20.3731, 0.3630, 0.4150



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.



79.8167, 0.4149, 0.5088



91.5814, 0.4149, 0.5088



66.0434, 0.3332, 0.5736



18.4375, 0.3264, 0.3524



43.6955, 0.4150, 0.5087



3.6414, 0.4156, 0.5082

Inverse Universe

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



6.3313, 0.1506, 0.0603



7.2615, 0.1505, 0.0603



10.5780, 0.2040, 0.0898



15.2477, 0.2983, 0.3046



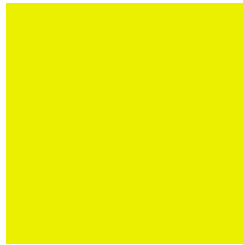
3.4738, 0.1508, 0.0604



0.2956, 0.1528, 0.0616

Previews

White Background



This preview shows how the Yxy color 79.8126, 0.4149, 0.5088 looks on a white background.

Color Contrast Check

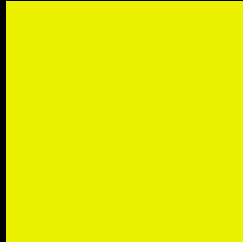
Large Text (above 18pt) WCAG AA × Fail

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 79.8126, 0.4149, 0.5088 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 79.8126, 0.4149, 0.5088

Background



This preview shows how black text looks on a background with the Yxy color 79.8126, 0.4149, 0.5088.



This preview shows how white text looks on a background with the Yxy color 79.8126, 0.4149, 0.5088.

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

79.8126, 0.4149, 0.5088

Protanopia

79.4945, 0.4081, 0.4473

Deuteranopia

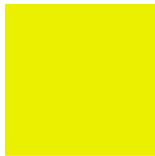
79.2836, 0.3595, 0.3677



Tritanopia

79.4502, 0.3199, 0.3111

Trichromacy



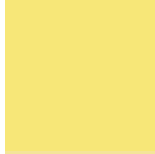
Original Color

79.8126, 0.4149, 0.5088



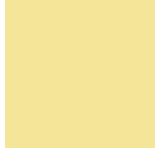
Protanomaly

79.0495, 0.4169, 0.4786



Deuteranomaly

78.2821, 0.3956, 0.4403



Tritanomaly

77.5716, 0.3741, 0.4082

Monochromacy



Original Color

79.8126, 0.4149, 0.5088



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

69.0239, 0.3695, 0.4277

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.8126, 0.4149, 0.5088 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, 240, 0)` looks like.

```
.text, #text, p{  
  color:rgb(234, 240, 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(234, 240, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 240, 0) }
```

Border

The CSS property to change the border of an element to Yxy 79.8126, 0.4149, 0.5088 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, 240, 0) }
```

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

```
.border{ border-color:rgb(234, 240, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 240, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 240, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 240, 0);  
box-shadow:4px 4px 4px 4px rgb(234, 240,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 79.8126, 0.4149, 0.5088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 240, 0) }
```

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

```
.background{ background-color: rgb(234,  
240, 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](#).

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