

Converting Colors

$Y_{xy}(79.2774, 0.4102, 0.4964)$

Have a look what the booklet for
Yxy(79.2774, 0.4102, 0.4964)
contains.

Yxy(79.0415, 0.4107, 0.4962)	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(79.0415, 0.4107, 0.4962)

Conversions

Conversions Part 1

Format	Color
Hex	EBEE32
RGB	235, 238, 50
RGB Percent	92%, 93%, 20%
CMY	0.0783, 0.0667, 0.8037
CMYK	0.01, 0.00, 0.79, 0.07
HSL	61°, 85%, 56%
HSV	61°, 79%, 93%
XYZ	65.4219, 79.0415, 14.8302
YIQ	215.6710, 58.5600, -59.1040

Conversions

Conversions Part 2

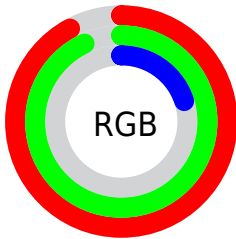
Format	Color
R _Y B	50, 238, 53
Decimal	15461938
CIE Lab	91.25, -20.83, 82.02
CIE LCh	91, 84.621, 104.251
Yxy	79.0415, 0.4107, 0.4962
Android (android.graphics.Color)	4293652018 (0xFFEBEE32)
YUV	215.6710, -81.6758, 16.9515
Hunter-Lab	88.9053, -24.2331, 52.3436

Details

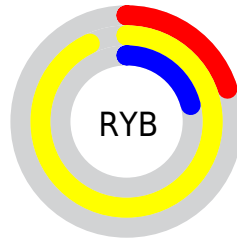
The Yxy color **79.0415, 0.4107, 0.4962** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **9.2147, 0.1656, 0.0846**, and the grayscale version is **68.9795, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9723, 0.3930, 0.4618**, and **42.5699, 0.4127, 0.5106** is the 20% darker color. If you saturate the color by 10%, you get **78.8266, 0.4147, 0.5036**, and if you desaturate by 10%, it is **79.3706, 0.4040, 0.4844**.

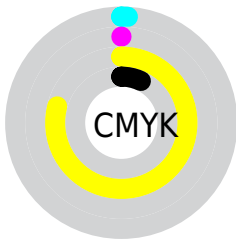
Distribution



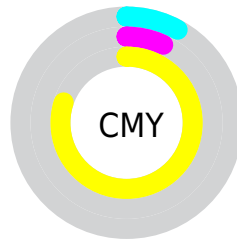
- Red (92%)
- Green (93%)
- Blue (20%)



- Red (20%)
- Yellow (93%)
- Blue (21%)



- Cyan (1%)
- Magenta (0%)
- Yellow (79%)
- Black (7%)





- Cyan (8%)
- Magenta (7%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.0415, 0.4107, 0.4962 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 79.0415, 0.4107, 0.4962 by changing the saturation by 10% instead.


 79.0415, 0.4107,
0.4962

 79.0415, 0.4107,
0.4962


491.6967, 0.3742,
0.4241


 58.9299, 0.4160,
0.5100


 132.0173, 0.4004,
0.4731


 42.5567, 0.4209,
0.5253


 165.6503, 0.3957,
0.4635


 29.5375, 0.4245,
0.5421

 204.5592, 0.3913,
0.4550

 19.4878, 0.4263,
0.5609

 249.1285, 0.3873,
0.4474

 12.0233, 0.4218,
0.5782

 299.7425, 0.3836,
0.4406

 6.7595, 0.4075,
0.5925

356.7856, 0.3802,


 3.3122, 0.3852,


0.4345


0.6148


420.6422, 0.3770,
0.4290


 1.2968, 0.3425,
0.6575


 0.1387, 0.0000,
1.0000


 79.0415, 0.4107,
0.4962


 79.0415, 0.4107,
0.4962


 78.8266, 0.4147,
0.5036


 79.3706, 0.4040,
0.4844

 78.6928, 0.4164,
0.5072


 79.8173, 0.3948,
0.4683


 78.6809, 0.4166,
0.5075

 80.3975, 0.3833,
0.4486


 81.1221, 0.3701,
0.4260

 82.0007, 0.3557,
0.4016

 83.0422, 0.3408,
0.3763

 84.2546, 0.3258,
0.3511

 85.6457, 0.3112,
0.3265

 86.6130, 0.3027,
0.3121

Harmonies

Analogous

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



79.0415, 0.4800, 0.4367



79.0415, 0.4107, 0.4962



79.0415, 0.3216, 0.5098

Triad

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



79.0415, 0.4107, 0.4962



79.0415, 0.1512, 0.2425



79.0415, 0.3778, 0.2443

Complementary

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



79.0415, 0.4107, 0.4962



9.2147, 0.1656, 0.0846

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.



79.0415, 0.2775, 0.2036



79.0415, 0.4107, 0.4962



79.0415, 0.1609, 0.1972

Square

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



79.0415, 0.4107, 0.4962



79.0415, 0.1747, 0.3302



79.0415, 0.2024, 0.1866



79.0415, 0.4684, 0.3019

Rectangle

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



79.0415, 0.4107, 0.4962



79.0415, 0.2619, 0.4731



79.0415, 0.2024, 0.1866



79.0415, 0.3431, 0.2284

Sweetspot

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



79.0452, 0.4107, 0.4962



96.4841, 0.3485, 0.3893



20.6919, 0.5894, 0.3298



20.5612, 0.3538, 0.3983



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.



79.0452, 0.4107, 0.4962



92.0935, 0.4160, 0.5062



67.3072, 0.3447, 0.5440



18.4456, 0.3266, 0.3523



43.9043, 0.4166, 0.5074



3.6565, 0.4170, 0.5071

Inverse Universe

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



9.2147, 0.1656, 0.0846



7.6166, 0.1520, 0.0629



14.3889, 0.2253, 0.1154



15.2406, 0.2982, 0.3046



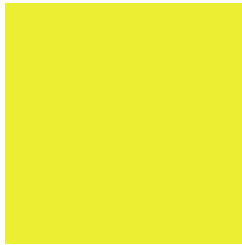
3.4626, 0.1505, 0.0603



0.2922, 0.1518, 0.0610

Previews

White Background



This preview shows how the Yxy color 79.0415, 0.4107, 0.4962 looks on a white background.

Color Contrast Check

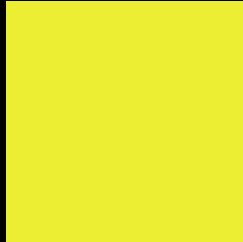
Large Text (above 18pt) WCAG AA × Fail

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 79.0415, 0.4107, 0.4962 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 79.0415, 0.4107, 0.4962

Background



This preview shows how black text looks on a background with the Yxy color 79.0415, 0.4107, 0.4962.



This preview shows how white text looks on a background with the Yxy color 79.0415, 0.4107, 0.4962.

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

79.0415, 0.4107, 0.4962

Protanopia

78.7355, 0.4136, 0.4539

Deuteranopia

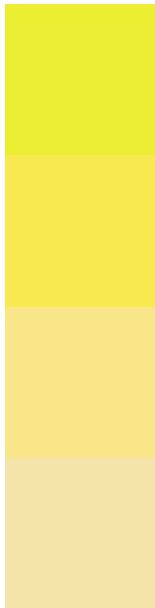
78.6132, 0.3619, 0.3699



Tritanopia

78.9838, 0.3220, 0.3121

Trichromacy



Original Color

79.0415, 0.4107, 0.4962

Protanomaly

78.8284, 0.4139, 0.4706

Deuteranomaly

78.3277, 0.3874, 0.4247

Tritanomaly

77.8016, 0.3639, 0.3896

Monochromacy



Original Color

79.0415, 0.4107, 0.4962

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

71.3996, 0.3576, 0.4048

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.0415, 0.4107, 0.4962 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(235, 238, 50)` looks like.

```
.text, #text, p{  
    color:rgb(235, 238, 50)  
}
```

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(235, 238, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 238, 50) }
```

Border

The CSS property to change the border of an element to Yxy 79.0415, 0.4107, 0.4962 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(235, 238, 50) }
```

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

```
.border{ border-color:rgb(235, 238, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 238, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 238, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 238, 50);  
box-shadow:4px 4px 4px 4px rgb(235, 238,  
50) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 79.0415, 0.4107, 0.4962$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 238, 50) }
```

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

```
.background{ background-color: rgb(235,  
238, 50) }
```

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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