

Converting Colors

$Y_{xy}(77.8299, 0.4166, 0.4852)$

Have a look what the booklet for
Yxy(77.8299, 0.4166, 0.4852)
contains.

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Color

Yxy(78.0491, 0.4160, 0.4856)

Conversions

Conversions Part 1

Format	Color
Hex	F2EA3C
RGB	242, 234, 60
RGB Percent	95%, 92%, 24%
CMY	0.0509, 0.0824, 0.7647
CMYK	0.00, 0.03, 0.75, 0.05
HSL	57°, 88%, 59%
HSV	57°, 75%, 95%
XYZ	66.8625, 78.0491, 15.8156
YIQ	216.5560, 60.6220, -52.4180

Conversions

Conversions Part 2

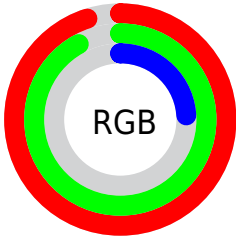
Format	Color
RYB	68, 242, 60
Decimal	15919676
CIELab	90.80, -15.67, 79.01
CIELCh	91, 80.548, 101.219
Yxy	78.0491, 0.4160, 0.4856
Android (android.graphics.Color)	4294109756 (0xFFFF2EA3C)
YUV	216.5560, -77.1821, 22.3144
Hunter-Lab	88.3454, -19.5102, 51.2277

Details

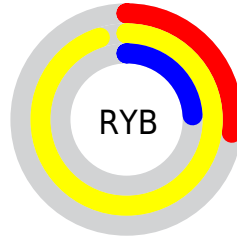
The Yxy color **78.0491, 0.4160, 0.4856** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light washed yellow. A complement of this color would be **11.5108, 0.1711, 0.0987**, and the grayscale version is **69.5798, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1361, 0.3898, 0.4565**, and **42.1853, 0.4222, 0.5030** is the 20% darker color. If you saturate the color by 10%, you get **77.2469, 0.4224, 0.4939**, and if you desaturate by 10%, it is **78.9792, 0.4069, 0.4728**.

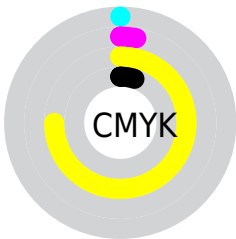
Distribution



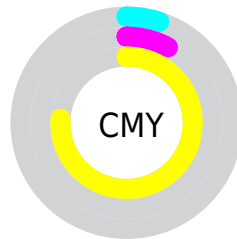
- Red (95%)
- Green (92%)
- Blue (24%)



- Red (27%)
- Yellow (95%)
- Blue (24%)



- Cyan (0%)
- Magenta (3%)
- Yellow (75%)
- Black (5%)





- Cyan (5%)
- Magenta (8%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.0491, 0.4160, 0.4856 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 78.0491, 0.4160, 0.4856 by changing the saturation by 10% instead.

 78.0491, 0.4160,
0.4856


 78.0491, 0.4160,
0.4856


488.3336, 0.3760,
0.4183

 58.1143, 0.4223,
0.4984


 130.6193, 0.4043,
0.4641


 41.9006, 0.4286,
0.5127


 164.0236, 0.3991,
0.4552

 29.0234, 0.4341,
0.5282


 202.6864, 0.3943,
0.4472

 19.0985, 0.4379,
0.5450

 246.9923, 0.3899,
0.4402

 11.7415, 0.4380,
0.5620

 297.3255, 0.3860,
0.4338

 6.5679, 0.4272,
0.5728

354.0705, 0.3823,

 3.1934, 0.4103,

0.4281

0.5897

417.6118, 0.3790,
0.4230

■ 1.2335, 0.3794,
0.6206

■ 0.0888, 0.0000,
1.0000

■ 78.0491, 0.4160,
0.4856

■ 78.0491, 0.4160,
0.4856

■ 77.2469, 0.4224,
0.4939

■ 78.9792, 0.4069,
0.4728


■ 76.5442, 0.4262,
0.4980

■ 80.0404, 0.3953,
0.4560


■ 76.2314, 0.4273,
0.4989


■ 81.2484, 0.3818,
0.4359

■ 82.6140, 0.3670,
0.4134

 84.1470, 0.3515,
0.3895

 85.8562, 0.3358,
0.3652

 87.7501, 0.3205,
0.3412

 89.8362, 0.3058,
0.3181

 90.5634, 0.3050,
0.3178

Harmonies

Analogous

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



78.0491, 0.4789, 0.4275



78.0491, 0.4160, 0.4856



78.0491, 0.3312, 0.5033

Triad

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



78.0491, 0.4160, 0.4856



78.0491, 0.1576, 0.2532



78.0491, 0.3652, 0.2426

Complementary

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



78.0491, 0.4160, 0.4856



11.5108, 0.1711, 0.0987

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.



78.0491, 0.2705, 0.2051



78.0491, 0.4160, 0.4856



78.0491, 0.1637, 0.2050

Square

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



78.0491, 0.4160, 0.4856



78.0491, 0.1843, 0.3411



78.0491, 0.2010, 0.1913



78.0491, 0.4546, 0.2974

Rectangle

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



78.0491, 0.4160, 0.4856



78.0491, 0.2731, 0.4734



78.0491, 0.2010, 0.1913



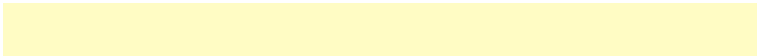
78.0491, 0.3322, 0.2278

Sweetspot

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



78.0528, 0.4160, 0.4856



95.1428, 0.3481, 0.3843



22.5446, 0.5634, 0.3230



20.2226, 0.3538, 0.3931



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.



78.0528, 0.4160, 0.4856



86.5660, 0.4246, 0.4965



71.3300, 0.3515, 0.5324



18.3325, 0.3269, 0.3513



40.9982, 0.4272, 0.4990



3.4474, 0.4261, 0.4999

Inverse Universe

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



11.5108, 0.1711, 0.0987



8.6718, 0.1551, 0.0705



15.3875, 0.2220, 0.1187



15.3404, 0.2979, 0.3057



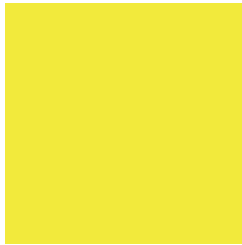
3.6196, 0.1508, 0.0627



0.3402, 0.1528, 0.0699

Previews

White Background



This preview shows how the Yxy color 78.0491, 0.4160, 0.4856 looks on a white background.

Color Contrast Check

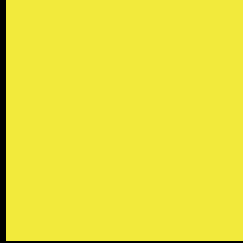
Large Text (above 18pt) WCAG AA × Fail

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 78.0491, 0.4160, 0.4856 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 78.0491, 0.4160, 0.4856

Background



This preview shows how black text looks on a background with the Yxy color 78.0491, 0.4160, 0.4856.

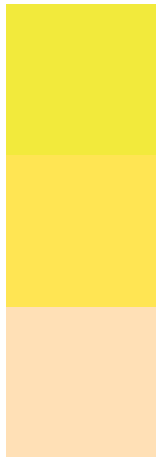


This preview shows how white text looks on a background with the Yxy color 78.0491, 0.4160, 0.4856.

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

78.0491, 0.4160, 0.4856

Protanopia

77.9232, 0.4210, 0.4632

Deuteranopia

77.9487, 0.3643, 0.3720



Tritanopia

77.9212, 0.3278, 0.3132

Trichromacy



Original Color

78.0491, 0.4160, 0.4856

Protanomaly

77.9838, 0.4190, 0.4717

Deuteranomaly

77.6458, 0.3886, 0.4205

Tritanomaly

76.5756, 0.3682, 0.3839

Monochromacy



Original Color

78.0491, 0.4160, 0.4856

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

71.4822, 0.3576, 0.3988

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.0491, 0.4160, 0.4856 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(242, 234, 60)` looks like.

```
.text, #text, p{  
    color:rgb(242, 234, 60)  
}
```

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(242, 234, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 234, 60) }
```

Border

The CSS property to change the border of an element to Yxy 78.0491, 0.4160, 0.4856 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(242, 234, 60) }
```

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

```
.border{ border-color:rgb(242, 234, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 234, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 234, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 234, 60);  
box-shadow:4px 4px 4px 4px rgb(242, 234,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 78.0491, 0.4160, 0.4856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 234, 60) }
```

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

```
.background{ background-color: rgb(242,  
234, 60) }
```

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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