

Converting Colors

$Y_{xy}(78.2629, 0.4175, 0.5067)$

Have a look what the booklet for
Yxy(78.2629, 0.4175, 0.5067)
contains.

Yxy(78.2305, 0.4178, 0.5064)	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(78.2305, 0.4178, 0.5064)

Conversions

Conversions Part 1

Format	Color
Hex	EBED00
RGB	235, 237, 0
RGB Percent	92%, 93%, 0%
CMY	0.0785, 0.0706, 0.9983
CMYK	0.01, 0.00, 1.00, 0.07
HSL	61°, 100%, 47%
HSV	61°, 100%, 93%
XYZ	64.5433, 78.2305, 11.7099
YIQ	209.3840, 74.8850, -74.1310

Conversions

Conversions Part 2

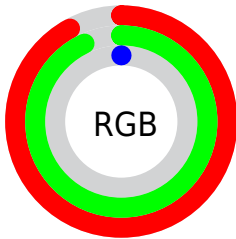
Format	Color
RYB	0, 237, 2
Decimal	15461632
CIELab	90.88, -21.23, 89.17
CIELCh	91, 91.666, 103.391
Yxy	78.2305, 0.4178, 0.5064
Android (android.graphics.Color)	4293651712 (0xFFEBED00)
YUV	209.3840, -103.2263, 22.4652
Hunter-Lab	88.4480, -24.5270, 54.0641

Details

The Yxy color **78.2305, 0.4178, 0.5064** 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 **6.1404, 0.1503, 0.0602**, and the grayscale version is **64.7100, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5527, 0.4017, 0.4761**, and **42.0464, 0.4126, 0.5106** is the 20% darker color. If you saturate the color by 10%, you get **78.2326, 0.4178, 0.5064**, and if you desaturate by 10%, it is **78.3343, 0.4161, 0.5031**.

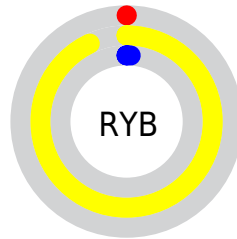
Distribution



Red (92%)

Green (93%)

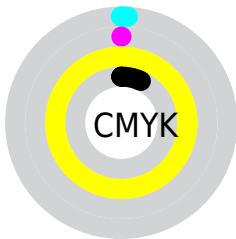
Blue (0%)



Red (0%)

Yellow (93%)

Blue (1%)

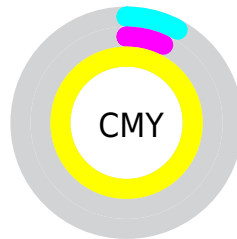


Cyan (1%)

Magenta (0%)

Yellow (100%)

Black (7%)



Cyan (8%)


Magenta (7%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.2305, 0.4178, 0.5064 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 78.2305, 0.4178, 0.5064 by changing the saturation by 10% instead.


 78.2305, 0.4178,
0.5064


 78.2305, 0.4178,
0.5064


488.9493, 0.3801,
0.4315

 58.2633, 0.4226,
0.5200


 130.8750, 0.4077,
0.4830

 42.0204, 0.4266,
0.5348


 164.3211, 0.4029,
0.4731


 29.1173, 0.4288,
0.5502


 203.0291, 0.3983,
0.4642

 19.1695, 0.4304,
0.5696

 247.3832, 0.3941,
0.4563

 11.7929, 0.4201,
0.5799

 297.7679, 0.3902,
0.4491

 6.6028, 0.4052,
0.5948


 354.5675, 0.3866,


 3.2150, 0.3821,


0.4427


0.6179


418.1665, 0.3832,
0.4368


 1.2450, 0.3350,
0.6650


 0.0980, 0.0000,
1.0000


 78.2305, 0.4178,
0.5064


 78.2305, 0.4178,
0.5064

 78.2326, 0.4178,
0.5064

 78.3343, 0.4161,
0.5031

 78.5144, 0.4121,
0.4962

 78.7989, 0.4056,
0.4850

 79.2023, 0.3964,
0.4694

■ 79.7369, 0.3850,
0.4501

■ 80.4135, 0.3717,
0.4278

■ 81.2418, 0.3573,
0.4036

■ 82.2305, 0.3423,
0.3784

■ 83.3877, 0.3272,
0.3532

Harmonies

Analogous

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



78.2305, 0.4925, 0.4390



78.2305, 0.4178, 0.5064



78.2305, 0.3227, 0.5277

Triad

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



78.2305, 0.4178, 0.5064



78.2305, 0.1408, 0.2367



78.2305, 0.3796, 0.2366

Complementary

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



78.2305, 0.4178, 0.5064



6.1404, 0.1503, 0.0602

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.



78.2305, 0.2714, 0.1944



78.2305, 0.4178, 0.5064



78.2305, 0.1503, 0.1886

Square

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



78.2305, 0.4178, 0.5064



78.2305, 0.1657, 0.3324



78.2305, 0.1927, 0.1771



78.2305, 0.4795, 0.2967

Rectangle

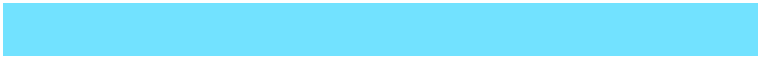
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.2305, 0.4178, 0.5064



78.2305, 0.2590, 0.4904



78.2305, 0.1927, 0.1771



78.2305, 0.3418, 0.2201

Sweetspot

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



78.2342, 0.4178, 0.5064



95.8905, 0.3578, 0.4043



18.0166, 0.6398, 0.3300



20.4316, 0.3640, 0.4147



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.



78.2342, 0.4178, 0.5064



92.3684, 0.4178, 0.5065



64.4771, 0.3356, 0.5716



17.6200, 0.3267, 0.3523



42.7115, 0.4178, 0.5064



3.3560, 0.4181, 0.5063

Inverse Universe

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



6.1404, 0.1503, 0.0602



7.2341, 0.1502, 0.0601



10.0270, 0.2010, 0.0882



14.5551, 0.2981, 0.3046



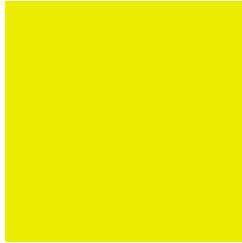
3.3482, 0.1503, 0.0602



0.2651, 0.1510, 0.0606

Previews

White Background



This preview shows how the Yxy color 78.2305, 0.4178, 0.5064 looks on a white background.

Color Contrast Check

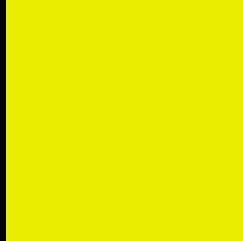
Large Text (above 18pt) WCAG AA × Fail

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 78.2305, 0.4178, 0.5064 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 78.2305, 0.4178, 0.5064

Background



This preview shows how black text looks on a background with the Yxy color 78.2305, 0.4178, 0.5064.



This preview shows how white text looks on a background with the Yxy color 78.2305, 0.4178, 0.5064.

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

78.2305, 0.4178, 0.5064

Protanopia

77.9387, 0.4205, 0.4626

Deuteranopia

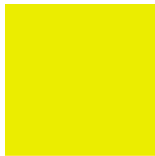
77.9487, 0.3643, 0.3720



Tritanopia

77.8687, 0.3228, 0.3111

Trichromacy



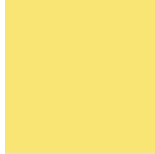
Original Color

78.2305, 0.4178, 0.5064



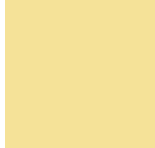
Protanomaly

77.9360, 0.4235, 0.4838



Deuteranomaly

77.2560, 0.3996, 0.4417



Tritanomaly

76.0722, 0.3766, 0.4062

Monochromacy



Original Color

78.2305, 0.4178, 0.5064



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

67.2619, 0.3705, 0.4262

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.2305, 0.4178, 0.5064 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, 237, 0)` looks like.

```
.text, #text, p{  
    color:rgb(235, 237, 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(235, 237, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 237, 0) }
```

Border

The CSS property to change the border of an element to Yxy 78.2305, 0.4178, 0.5064 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, 237, 0) }
```

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

```
.border{ border-color:rgb(235, 237, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 237, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 237, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 237, 0);  
box-shadow:4px 4px 4px 4px rgb(235, 237,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 78.2305, 0.4178, 0.5064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 237, 0) }
```

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

```
.background{ background-color: rgb(235,  
237, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor