

Converting Colors

$Y_{xy}(57.5191, 0.4521, 0.5030)$

Have a look what the booklet for
Yxy(57.5191, 0.4521, 0.5030)
contains.

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Color

Yxy(57.6394, 0.4422, 0.4871)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | E3C800 |
| RGB | 227, 200, 0 |
| RGB Percent | 89%, 78%, 0% |
| CMY | 0.1099, 0.2156, 1.0000 |
| CMYK | 0.00, 0.12, 1.00, 0.11 |
| HSL | 53°, 100%, 45% |
| HSV | 53°, 100%, 89% |
| XYZ | 52.3263, 57.6394, 8.3661 |
| YIQ | 185.2730, 80.2920, -56.4760 |

Conversions

Conversions Part 2

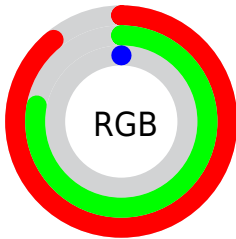
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 31, 227, 0 |
| Decimal | 14927872 |
| CIE Lab | 80.54, -6.32, 81.42 |
| CIE LCh | 81, 81.664, 94.438 |
| Yxy | 57.6394, 0.4422, 0.4871 |
| Android (android.graphics.Color) | 4293117952 (0xFFE3C800) |
| YUV | 185.2730, -91.3396, 36.5946 |
| Hunter-Lab | 75.9206, -9.8346, 46.6110 |

Details

The Yxy color **57.6394, 0.4422, 0.4871** is a dark color, and the websafe version is hex **FFCC00**. The color can be described as middle washed yellow. A complement of this color would be **6.3264, 0.1521, 0.0675**, and the grayscale version is **49.1616, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4359, 0.4042, 0.4802**, and **29.0829, 0.4419, 0.4873** is the 20% darker color. If you saturate the color by 10%, you get **57.6422, 0.4422, 0.4871**, and if you desaturate by 10%, it is **58.9627, 0.4373, 0.4855**.

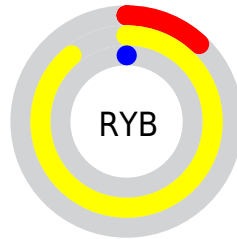
Distribution



Red (89%)

Green (78%)

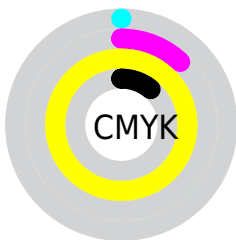
Blue (0%)



Red (12%)

Yellow (89%)

Blue (0%)

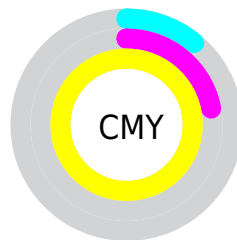


Cyan (0%)

Magenta (12%)

Yellow (100%)

Black (11%)



Cyan (11%)


Magenta (22%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.6394, 0.4422, 0.4871 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 57.6394, 0.4422, 0.4871 by changing the saturation by 10% instead.

 57.6394, 0.4422,
0.4871


 57.6394, 0.4422,
0.4871

415.8409, 0.3897,
0.4198

 41.5188, 0.4503,
0.4987


 101.3976, 0.4268,
0.4664

 28.7247, 0.4580,
0.5107


 129.8039, 0.4199,
0.4575

 18.8727, 0.4654,
0.5235


 163.0743, 0.4136,
0.4494

 11.5783, 0.4676,
0.5324

 201.5932, 0.4079,
0.4422

 6.4572, 0.4634,
0.5366

 245.7449, 0.4027,
0.4358

 3.1250, 0.4567,
0.5433

 295.9138, 0.3979,

 1.1974, 0.4449,

0.4299

0.5551

352.4843, 0.3936,
0.4246

■ 0.0595, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.6394, 0.4422,
0.4871

■ 57.6394, 0.4422,
0.4871

■ 57.6422, 0.4422,
0.4871

■ 58.9627, 0.4373,
0.4855

■ 60.3766, 0.4299,
0.4800

■ 61.9067, 0.4198,
0.4700

■ 63.5665, 0.4072,
0.4557

■ 65.3671, 0.3926,
0.4379

■ 67.3182, 0.3767,
0.4176

■ 69.4287, 0.3603,
0.3957

■ 71.7067, 0.3439,
0.3731

■ 74.1595, 0.3279,
0.3507

Harmonies

Analogous

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



57.6394, 0.5051, 0.4164



57.6394, 0.4422, 0.4871



57.6394, 0.3519, 0.5270

Triad

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



57.6394, 0.4422, 0.4871



57.6394, 0.1461, 0.2611



57.6394, 0.3454, 0.2229

Complementary

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



57.6394, 0.4422, 0.4871



6.3264, 0.1521, 0.0675

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.



57.6394, 0.2449, 0.1879



57.6394, 0.4422, 0.4871



57.6394, 0.1458, 0.2001

Square

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



57.6394, 0.4422, 0.4871



57.6394, 0.1824, 0.3687



57.6394, 0.1779, 0.1789



57.6394, 0.4520, 0.2782

Rectangle

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



57.6394, 0.4422, 0.4871



57.6394, 0.2876, 0.5098



57.6394, 0.1779, 0.1789



57.6394, 0.3092, 0.2086

Sweetspot

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



57.6422, 0.4422, 0.4871



90.3539, 0.3606, 0.3961



16.4215, 0.6249, 0.3216



19.0846, 0.3676, 0.4055



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.



57.6422, 0.4422, 0.4871



74.9562, 0.4423, 0.4870



60.8298, 0.3556, 0.5558



16.5095, 0.3270, 0.3495



33.7399, 0.4418, 0.4874



2.5762, 0.4381, 0.4904

Inverse Universe

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



6.3264, 0.1521, 0.0675



8.1631, 0.1520, 0.0670



7.3937, 0.1780, 0.0754



14.1614, 0.2980, 0.3076



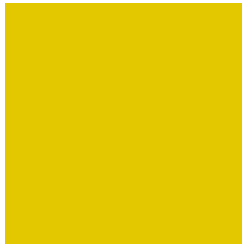
3.7782, 0.1525, 0.0689



0.3705, 0.1578, 0.0882

Previews

White Background



This preview shows how the Yxy color 57.6394, 0.4422, 0.4871 looks on a white background.

Color Contrast Check

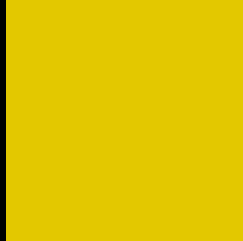
Large Text (above 18pt) WCAG AA × Fail

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 57.6394, 0.4422, 0.4871 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 57.6394, 0.4422, 0.4871

Background



This preview shows how black text looks on a background with the Yxy color 57.6394, 0.4422, 0.4871.

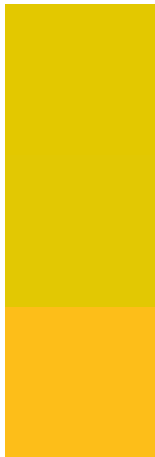


This preview shows how white text looks on a background with the Yxy color 57.6394, 0.4422, 0.4871.

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

57.6394, 0.4422, 0.4871

Protanopia

57.4839, 0.4411, 0.4873

Deuteranopia

57.7797, 0.4696, 0.4592



Tritanopia

57.4651, 0.3454, 0.3138

Trichromacy



Original Color

57.6394, 0.4422, 0.4871

Protanomaly

57.4817, 0.4412, 0.4875

Deuteranomaly

57.8541, 0.4601, 0.4695

Tritanomaly

56.2863, 0.4009, 0.4002

Monochromacy



Original Color

57.6394, 0.4422, 0.4871

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

50.4143, 0.3780, 0.4188

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.6394, 0.4422, 0.4871 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(227, 200, 0)` looks like.

```
.text, #text, p{  
    color:rgb(227, 200, 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(227, 200, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 200, 0) }
```

Border

The CSS property to change the border of an element to Yxy 57.6394, 0.4422, 0.4871 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(227, 200, 0) }
```

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

```
.border{ border-color:rgb(227, 200, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 200, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 200, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 200, 0);  
box-shadow:4px 4px 4px 4px rgb(227, 200,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 57.6394, 0.4422, 0.4871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 200, 0) }
```

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

```
.background{ background-color: rgb(227,  
200, 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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