

Converting Colors

$Y_{xy}(71.1107, 0.4295, 0.4972)$

Have a look what the booklet for
Yxy(71.1107, 0.4295, 0.4972)
contains.

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Color

Yxy(71.3158, 0.4294, 0.4973)

Conversions

Conversions Part 1

Format	Color
Hex	EDE000
RGB	237, 224, 0
RGB Percent	93%, 88%, 0%
CMY	0.0706, 0.1215, 1.0000
CMYK	0.00, 0.05, 1.00, 0.07
HSL	57°, 100%, 46%
HSV	57°, 100%, 93%
XYZ	61.5785, 71.3158, 10.5117
YIQ	202.3510, 79.6520, -66.9080

Conversions

Conversions Part 2

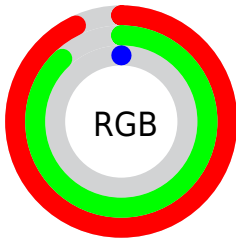
Format	Color
R _Y B	14, 237, 0
Decimal	15589376
CIE Lab	87.64, -14.07, 86.94
CIE LCh	88, 88.069, 99.193
Yxy	71.3158, 0.4294, 0.4973
Android (android.graphics.Color)	4293779456 (0xFFE0E000)
YUV	202.3510, -99.7590, 30.3872
Hunter-Lab	84.4487, -17.6261, 51.7340

Details

The Yxy color **71.3158, 0.4294, 0.4973** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **6.4017, 0.1507, 0.0625**, and the grayscale version is **59.8945, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5182, 0.4024, 0.4773**, and **37.6060, 0.4264, 0.4996** is the 20% darker color. If you saturate the color by 10%, you get **71.3197, 0.4294, 0.4973**, and if you desaturate by 10%, it is **72.0852, 0.4263, 0.4949**.

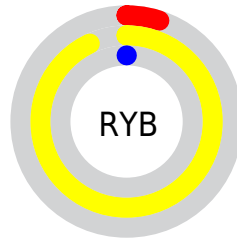
Distribution



Red (93%)

Green (88%)

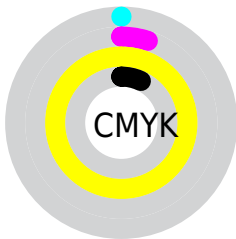
Blue (0%)



Red (5%)

Yellow (93%)

Blue (0%)

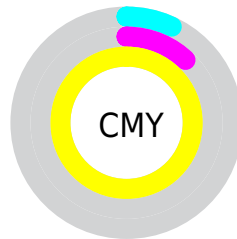


Cyan (0%)

Magenta (5%)

Yellow (100%)

Black (7%)



Cyan (7%)


Magenta (12%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.3158, 0.4294, 0.4973 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 71.3158, 0.4294, 0.4973 by changing the saturation by 10% instead.


 71.3158, 0.4294,
0.4973

 71.3158, 0.4294,
0.4973


465.1566, 0.3854,
0.4267


 52.6000, 0.4356,
0.5098


 121.0833, 0.4170,
0.4755


 37.4835, 0.4412,
0.5231


 152.9037, 0.4114,
0.4661


 25.5821, 0.4452,
0.5366


 189.8611, 0.4061,
0.4577

 16.5112, 0.4480,
0.5520

 232.3399, 0.4012,
0.4502

 9.8866, 0.4405,
0.5595

 280.7244, 0.3967,
0.4434

 5.3239, 0.4295,
0.5705


 335.3991, 0.3926,


 2.4385, 0.4117,


0.4373


0.5883


396.7484, 0.3888,
0.4317


 0.8456, 0.3525,
0.6475


 0.0000, 0.0000,
0.0000


 71.3158, 0.4294,
0.4973


 71.3158, 0.4294,
0.4973

 71.3197, 0.4294,
0.4973

 72.0852, 0.4263,
0.4949

 72.9351, 0.4208,
0.4887

 73.8943, 0.4127,
0.4781

 74.9776, 0.4019,
0.4632

■ 76.1971, 0.3890,
0.4447

■ 77.5638, 0.3746,
0.4234

■ 79.0873, 0.3591,
0.4002

■ 80.7764, 0.3434,
0.3763

■ 82.6393, 0.3278,
0.3523

Harmonies

Analogous

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



71.3158, 0.4987, 0.4282



71.3158, 0.4294, 0.4973



71.3158, 0.3366, 0.5278

Triad

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



71.3158, 0.4294, 0.4973



71.3158, 0.1433, 0.2479



71.3158, 0.3633, 0.2301

Complementary

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



71.3158, 0.4294, 0.4973



6.4017, 0.1507, 0.0625

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.



71.3158, 0.2587, 0.1914



71.3158, 0.4294, 0.4973



71.3158, 0.1482, 0.1939

Square

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



71.3158, 0.4294, 0.4973



71.3158, 0.1734, 0.3492



71.3158, 0.1856, 0.1779



71.3158, 0.4667, 0.2880

Rectangle

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



71.3158, 0.4294, 0.4973



71.3158, 0.2724, 0.5001



71.3158, 0.1856, 0.1779



71.3158, 0.3262, 0.2147

Sweetspot

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



71.3197, 0.4294, 0.4973



93.3689, 0.3593, 0.4005



18.0406, 0.6346, 0.3270



19.8170, 0.3659, 0.4105



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.



71.3197, 0.4294, 0.4973



84.1864, 0.4294, 0.4972



65.6585, 0.3451, 0.5642



17.4773, 0.3269, 0.3510



39.0044, 0.4292, 0.4974



3.1061, 0.4277, 0.4986

Inverse Universe

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



6.4017, 0.1507, 0.0625



7.5334, 0.1507, 0.0623



8.9799, 0.1885, 0.0812



14.6813, 0.2980, 0.3060



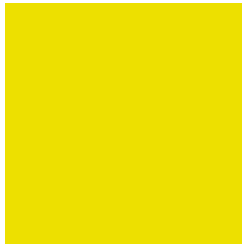
3.5536, 0.1510, 0.0635



0.3258, 0.1536, 0.0728

Previews

White Background



This preview shows how the Yxy color 71.3158, 0.4294, 0.4973 looks on a white background.

Color Contrast Check

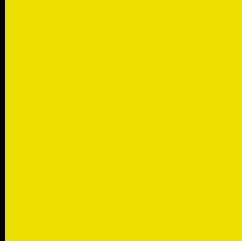
Large Text (above 18pt) WCAG AA × Fail

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 71.3158, 0.4294, 0.4973 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 71.3158, 0.4294, 0.4973

Background



This preview shows how black text looks on a background with the Yxy color 71.3158, 0.4294, 0.4973.

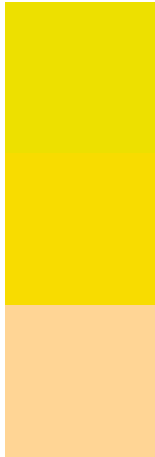


This preview shows how white text looks on a background with the Yxy color 71.3158, 0.4294, 0.4973.

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

71.3158, 0.4294, 0.4973

Protanopia

71.1429, 0.4411, 0.4880

Deuteranopia

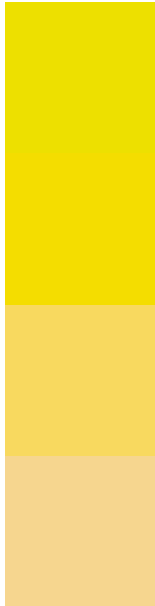
71.0184, 0.3916, 0.3948



Tritanopia

71.0028, 0.3339, 0.3127

Trichromacy



Original Color

71.3158, 0.4294, 0.4973

Protanomaly

70.9460, 0.4372, 0.4911

Deuteranomaly

70.4084, 0.4179, 0.4486

Tritanomaly

69.6691, 0.3883, 0.4037

Monochromacy



Original Color

71.3158, 0.4294, 0.4973

Achromatopsia

59.0619, 0.3127, 0.3290

Achromatomaly

62.1252, 0.3743, 0.4226

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.3158, 0.4294, 0.4973 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(237, 224, 0)` looks like.

```
.text, #text, p{  
    color:rgb(237, 224, 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(237, 224, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 224, 0) }
```

Border

The CSS property to change the border of an element to Yxy 71.3158, 0.4294, 0.4973 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(237, 224, 0) }
```

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

```
.border{ border-color:rgb(237, 224, 0) }
```

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

Here you see how a box with a 4 pixel rgb(237, 224, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 224, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 224, 0);  
box-shadow:4px 4px 4px 4px rgb(237, 224,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 71.3158, 0.4294, 0.4973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 224, 0) }
```

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

```
.background{ background-color: rgb(237,  
224, 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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