

Converting Colors

$Y_{xy}(74.1086, 0.4253, 0.5005)$

Have a look what the booklet for
Yxy(74.1086, 0.4253, 0.5005)
contains.

Yxy(74.0431, 0.4254, 0.5004)	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(74.0431, 0.4254, 0.5004)

Conversions

Conversions Part 1

Format	Color
Hex	EDE500
RGB	237, 229, 0
RGB Percent	93%, 90%, 0%
CMY	0.0706, 0.1019, 0.9992
CMYK	0.00, 0.03, 1.00, 0.07
HSL	58°, 100%, 47%
HSV	58°, 100%, 93%
XYZ	62.9455, 74.0431, 10.9792
YIQ	205.2860, 78.2770, -69.5230

Conversions

Conversions Part 2

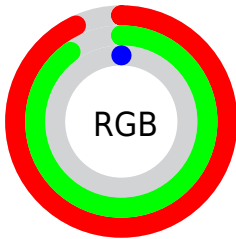
Format	Color
R _Y B	8, 237, 0
Decimal	15590656
CIE Lab	88.94, -16.51, 87.85
CIE LCh	89, 89.385, 100.647
Yxy	74.0431, 0.4254, 0.5004
Android (android.graphics.Color)	4293780736 (0xFFE500)
YUV	205.2860, -101.2060, 27.8132
Hunter-Lab	86.0483, -20.0093, 52.6688

Details

The Yxy color **74.0431, 0.4254, 0.5004** 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 **6.2939, 0.1505, 0.0616**, and the grayscale version is **61.8797, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5353, 0.4020, 0.4767**, and **39.5022, 0.4213, 0.5037** is the 20% darker color. If you saturate the color by 10%, you get **74.0423, 0.4254, 0.5004**, and if you desaturate by 10%, it is **74.5556, 0.4228, 0.4977**.

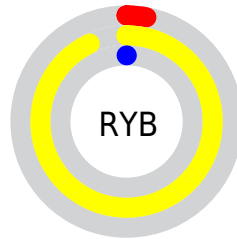
Distribution



Red (93%)

Green (90%)

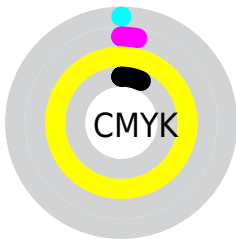
Blue (0%)



Red (3%)

Yellow (93%)

Blue (0%)

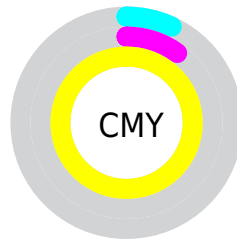


Cyan (0%)

Magenta (3%)

Yellow (100%)

Black (7%)



Cyan (7%)


Magenta (10%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.0431, 0.4254, 0.5004 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 74.0431, 0.4254, 0.5004 by changing the saturation by 10% instead.


 74.0431, 0.4254,
0.5004

 74.0431, 0.4254,
0.5004


474.6221, 0.3836,
0.4284


 54.8293, 0.4311,
0.5133

 124.9569, 0.4138,
0.4781

 39.2651, 0.4362,
0.5271


 157.4257, 0.4085,
0.4685

 26.9660, 0.4395,
0.5412


 195.0817, 0.4034,
0.4600

 17.5477, 0.4420,
0.5580

 238.3091, 0.3988,
0.4523

 10.6257, 0.4335,
0.5665

 287.4925, 0.3945,
0.4454

 5.8158, 0.4211,
0.5789


 343.0162, 0.3906,

 2.7334, 0.4015,


0.4392


0.5985


405.2646, 0.3870,
0.4335


 0.9942, 0.3511,
0.6489

 0.0000, 0.0000,
0.0000


 74.0431, 0.4254,
0.5004

 74.0431, 0.4254,
0.5004

 74.0423, 0.4254,
0.5004

 74.5556, 0.4228,
0.4977

 75.1462, 0.4179,
0.4913

 75.8429, 0.4103,
0.4805

 76.6604, 0.4001,
0.4654

■ 77.6110, 0.3877,
0.4466

■ 78.7056, 0.3737,
0.4250

■ 79.9537, 0.3586,
0.4014

■ 81.3641, 0.3430,
0.3770

■ 82.9451, 0.3276,
0.3526

Harmonies

Analogous

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



74.0431, 0.4965, 0.4319



74.0431, 0.4254, 0.5004



74.0431, 0.3318, 0.5278

Triad

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



74.0431, 0.4254, 0.5004



74.0431, 0.1425, 0.2440



74.0431, 0.3689, 0.2324

Complementary

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



74.0431, 0.4254, 0.5004



6.2939, 0.1505, 0.0616

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.



74.0431, 0.2630, 0.1924



74.0431, 0.4254, 0.5004



74.0431, 0.1490, 0.1921

Square

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



74.0431, 0.4254, 0.5004



74.0431, 0.1708, 0.3434



74.0431, 0.1881, 0.1777



74.0431, 0.4711, 0.2911

Rectangle

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



74.0431, 0.4254, 0.5004



74.0431, 0.2678, 0.4968



74.0431, 0.1881, 0.1777



74.0431, 0.3315, 0.2165

Sweetspot

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



74.0466, 0.4254, 0.5004



94.3774, 0.3589, 0.4019



18.0358, 0.6361, 0.3278



20.0626, 0.3654, 0.4120



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.



74.0466, 0.4254, 0.5004



87.4088, 0.4254, 0.5004



65.3503, 0.3427, 0.5661



17.5346, 0.3269, 0.3515



40.4651, 0.4253, 0.5005



3.2049, 0.4244, 0.5012

Inverse Universe

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



6.2939, 0.1505, 0.0616



7.4069, 0.1504, 0.0614



9.2302, 0.1915, 0.0829



14.6304, 0.2980, 0.3055



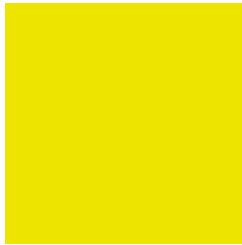
3.4710, 0.1506, 0.0621



0.3014, 0.1522, 0.0680

Previews

White Background



This preview shows how the Yxy color 74.0431, 0.4254, 0.5004 looks on a white background.

Color Contrast Check

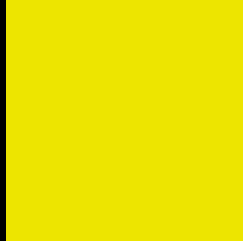
Large Text (above 18pt) WCAG AA × Fail

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 74.0431, 0.4254, 0.5004 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 74.0431, 0.4254, 0.5004

Background



This preview shows how black text looks on a background with the Yxy color 74.0431, 0.4254, 0.5004.

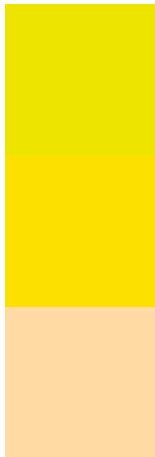


This preview shows how white text looks on a background with the Yxy color 74.0431, 0.4254, 0.5004.

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

74.0431, 0.4254, 0.5004

Protanopia

74.0068, 0.4407, 0.4883

Deuteranopia

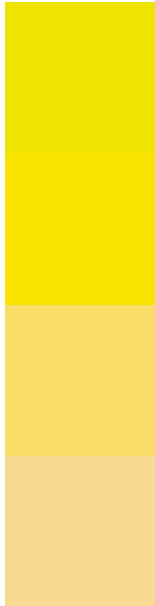
74.0472, 0.3797, 0.3855



Tritanopia

73.9411, 0.3304, 0.3129

Trichromacy



Original Color

74.0431, 0.4254, 0.5004

Protanomaly

74.1669, 0.4353, 0.4925

Deuteranomaly

73.1985, 0.4100, 0.4458

Tritanomaly

72.5125, 0.3849, 0.4052

Monochromacy



Original Color

74.0431, 0.4254, 0.5004

Achromatopsia

61.0496, 0.3127, 0.3290

Achromatomaly

64.4835, 0.3730, 0.4238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.0431, 0.4254, 0.5004 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, 229, 0)` looks like.

```
.text, #text, p{  
    color:rgb(237, 229, 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, 229, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 229, 0) }
```

Border

The CSS property to change the border of an element to Yxy 74.0431, 0.4254, 0.5004 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, 229, 0) }
```

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

```
.border{ border-color:rgb(237, 229, 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, 229, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 229, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 229, 0);  
box-shadow:4px 4px 4px 4px rgb(237, 229,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 74.0431, 0.4254, 0.5004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 229, 0) }
```

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

```
.background{ background-color: rgb(237,  
229, 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