

Converting Colors

$Y_{xy}(71.2213, 0.4193, 0.5053)$

Have a look what the booklet for
Yxy(71.2213, 0.4193, 0.5053)
contains.

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Color

Yxy(71.2691, 0.4193, 0.5053)

Conversions

Conversions Part 1

Format	Color
Hex	E3E300
RGB	227, 227, 0
RGB Percent	89%, 89%, 0%
CMY	0.1099, 0.1097, 1.0000
CMYK	0.00, 0.00, 1.00, 0.11
HSL	60°, 100%, 45%
HSV	60°, 100%, 89%
XYZ	59.1394, 71.2691, 10.6347
YIQ	201.1220, 72.8670, -70.5970

Conversions

Conversions Part 2

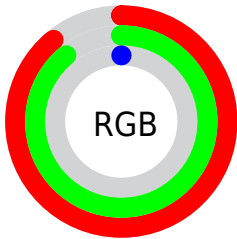
Format	Color
RYB	0, 227, 0
Decimal	14934784
CIELab	87.62, -19.76, 86.54
CIELCh	88, 88.770, 102.863
Yxy	71.2691, 0.4193, 0.5053
Android (android.graphics.Color)	4293124864 (0xFFE3E300)
YUV	201.1220, -99.1531, 22.6950
Hunter-Lab	84.4210, -22.6923, 51.6259

Details

The Yxy color **71.2691, 0.4193, 0.5053** 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 **5.5473, 0.1500, 0.0600**, and the grayscale version is **59.0815, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5182, 0.4024, 0.4773**, and **37.7205, 0.4143, 0.5092** is the 20% darker color. If you saturate the color by 10%, you get **71.2727, 0.4193, 0.5053**, and if you desaturate by 10%, it is **71.3342, 0.4174, 0.5021**.

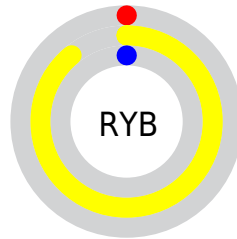
Distribution



Red (89%)

Green (89%)

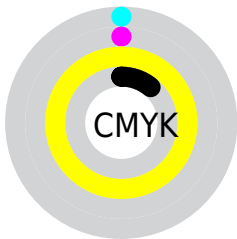
Blue (0%)



Red (0%)

Yellow (89%)

Blue (0%)

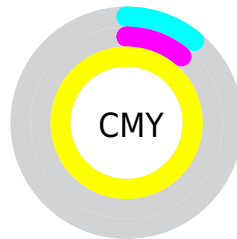


Cyan (0%)

Magenta (0%)

Yellow (100%)

Black (11%)



Cyan (11%)


Magenta (11%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.2691, 0.4193, 0.5053 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 71.2691, 0.4193, 0.5053 by changing the saturation by 10% instead.


 71.2691, 0.4193,
0.5053


 71.2691, 0.4193,
0.5053


464.9936, 0.3801,
0.4297

 52.5618, 0.4244,
0.5192


 121.0168, 0.4086,
0.4815

 37.4531, 0.4287,
0.5342


 152.8260, 0.4036,
0.4715


 25.5585, 0.4309,
0.5498


 189.7714, 0.3988,
0.4625

 16.4936, 0.4316,
0.5684

 232.2372, 0.3945,
0.4545

 9.8741, 0.4209,
0.5791

 280.6080, 0.3904,
0.4473

 5.3156, 0.4052,
0.5948


 335.2680, 0.3867,

 2.4336, 0.3797,


0.4409


0.6203


396.6018, 0.3833,
0.4350

 0.8431, 0.2745,
0.7255


 0.0000, 0.0000,
0.0000


 71.2691, 0.4193,
0.5053


 71.2691, 0.4193,
0.5053

 71.2727, 0.4193,
0.5053

 71.3342, 0.4174,
0.5021

 71.4669, 0.4133,
0.4954

 71.6938, 0.4066,
0.4843

 72.0280, 0.3973,
0.4689

■ 72.4805, 0.3858,
0.4498

■ 73.0611, 0.3724,
0.4278

■ 73.7785, 0.3579,
0.4037

■ 74.6406, 0.3428,
0.3787

■ 75.6547, 0.3276,
0.3536

Harmonies

Analogous

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



71.2691, 0.4934, 0.4376



71.2691, 0.4193, 0.5053



71.2691, 0.3245, 0.5278

Triad

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



71.2691, 0.4193, 0.5053



71.2691, 0.1411, 0.2380



71.2691, 0.3775, 0.2357

Complementary

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



71.2691, 0.4193, 0.5053



5.5473, 0.1500, 0.0600

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.



71.2691, 0.2697, 0.1940



71.2691, 0.4193, 0.5053



71.2691, 0.1500, 0.1892

Square

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



71.2691, 0.4193, 0.5053



71.2691, 0.1666, 0.3345



71.2691, 0.1918, 0.1772



71.2691, 0.4780, 0.2956

Rectangle

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



71.2691, 0.4193, 0.5053



71.2691, 0.2606, 0.4917



71.2691, 0.1918, 0.1772



71.2691, 0.3398, 0.2193

Sweetspot

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



71.2727, 0.4193, 0.5053



96.0113, 0.3582, 0.4042



16.3336, 0.6401, 0.3300



20.4611, 0.3645, 0.4146



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.



71.2727, 0.4193, 0.5053



92.7694, 0.4193, 0.5053



58.4917, 0.3357, 0.5717



16.8171, 0.3268, 0.3522



41.5597, 0.4193, 0.5053



3.0712, 0.4193, 0.5053

Inverse Universe

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



5.5473, 0.1500, 0.0600



7.2204, 0.1500, 0.0600



9.0915, 0.2010, 0.0881



13.8874, 0.2980, 0.3047



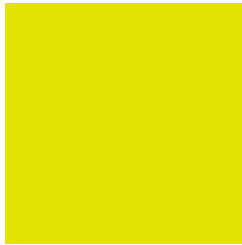
3.2347, 0.1500, 0.0600



0.2391, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 71.2691, 0.4193, 0.5053 looks on a white background.

Color Contrast Check

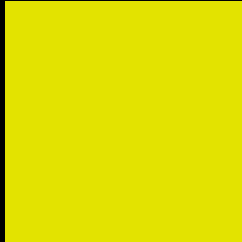
Large Text (above 18pt) WCAG AA × Fail

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 71.2691, 0.4193, 0.5053 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 71.2691, 0.4193, 0.5053

Background



This preview shows how black text looks on a background with the Yxy color 71.2691, 0.4193, 0.5053.

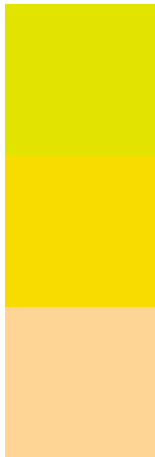


This preview shows how white text looks on a background with the Yxy color 71.2691, 0.4193, 0.5053.

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

71.2691, 0.4193, 0.5053

Protanopia

71.1429, 0.4411, 0.4880

Deuteranopia

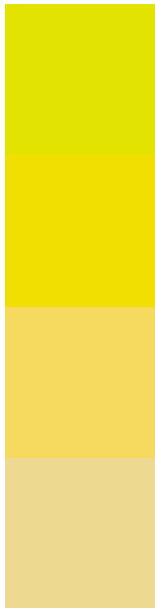
71.0184, 0.3916, 0.3948



Tritanopia

71.0118, 0.3246, 0.3124

Trichromacy



Original Color

71.2691, 0.4193, 0.5053

Protanomaly

71.3006, 0.4325, 0.4948

Deuteranomaly

70.3815, 0.4149, 0.4507

Tritanomaly

69.6438, 0.3792, 0.4077

Monochromacy



Original Color

71.2691, 0.4193, 0.5053

Achromatopsia

58.4078, 0.3127, 0.3290

Achromatomaly

61.3533, 0.3709, 0.4251

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.2691, 0.4193, 0.5053 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, 227, 0)` looks like.

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

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

Border

The CSS property to change the border of an element to Yxy 71.2691, 0.4193, 0.5053 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, 227, 0) }
```

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

```
.border{ border-color:rgb(227, 227, 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, 227, 0) colored shadow looks like.

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


Background

The CSS property to change the background color of an element to Yxy 71.2691, 0.4193, 0.5053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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