

Converting Colors

$Yxy(70.9361, 0.4024, 0.4790)$

Have a look what the booklet for
Yxy(70.9361, 0.4024, 0.4790)
contains.

Yxy(70.9361, 0.4024, 0.4790)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.9361, 0.4024, 0.4790)

Conversions

Conversions Part 1

Format	Color
Hex	E1E24D
RGB	225, 226, 77
RGB Percent	88%, 89%, 30%
CMY	0.1175, 0.1137, 0.6982
CMYK	0.00, 0.00, 0.66, 0.11
HSL	60°, 72%, 59%
HSV	60°, 66%, 89%
XYZ	59.5922, 70.9361, 17.5637
YIQ	208.7150, 47.2330, -46.5510

Conversions

Conversions Part 2

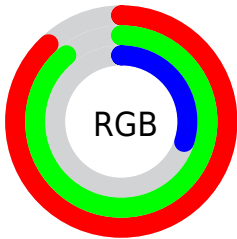
Format	Color
RYB	77, 226, 78
Decimal	14803533
CIELab	87.45, -17.98, 69.50
CIELCh	87, 71.785, 104.504
Yxy	70.9361, 0.4024, 0.4790
Android (android.graphics.Color)	4292993613 (0xFFE1E24D)
YUV	208.7150, -64.9355, 14.2819
Hunter-Lab	84.2236, -21.0939, 46.5923

Details

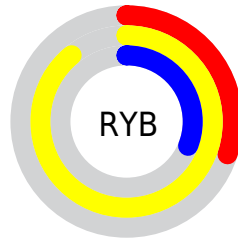
The Yxy color **70.9361, 0.4024, 0.4790** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **12.4096, 0.1854, 0.1179**, and the grayscale version is **63.9746, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4735, 0.3834, 0.4459**, and **37.2350, 0.4141, 0.5090** is the 20% darker color. If you saturate the color by 10%, you get **70.6502, 0.4101, 0.4920**, and if you desaturate by 10%, it is **71.3394, 0.3923, 0.4619**.

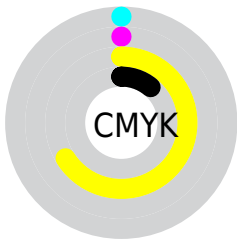
Distribution



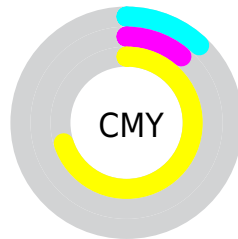
- Red (88%)
- Green (89%)
- Blue (30%)



- Red (30%)
- Yellow (89%)
- Blue (31%)



- Cyan (0%)
- Magenta (0%)
- Yellow (66%)
- Black (11%)





- Cyan (12%)
- Magenta (11%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.9361, 0.4024, 0.4790 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 70.9361, 0.4024, 0.4790 by changing the saturation by 10% instead.

 70.9361, 0.4024,
0.4790


 70.9361, 0.4024,
0.4790

463.8300, 0.3663,
0.4114


 52.2901, 0.4085,
0.4928


 120.5427, 0.3915,
0.4566

 37.2363, 0.4146,
0.5088


 152.2721, 0.3867,
0.4476

 25.3905, 0.4203,
0.5270

 189.1314, 0.3824,
0.4396

 16.3682, 0.4241,
0.5471

 231.5049, 0.3786,
0.4326

 9.7851, 0.4269,
0.5731

 279.7772, 0.3750,
0.4264

 5.2567, 0.4125,
0.5875

334.3325, 0.3719,

 2.3987, 0.3893,

0.4209

0.6107

395.5553, 0.3690,
0.4159

0.8252, 0.2951,
0.7049

0.0000, 0.0000,
0.0000

70.9361, 0.4024,
0.4790

70.9361, 0.4024,
0.4790

70.6502, 0.4101,
0.4920

71.3394, 0.3923,
0.4619

70.4598, 0.4151,
0.5006

71.8607, 0.3800,
0.4414

70.3532, 0.4176,
0.5051

72.5123, 0.3663,
0.4183

70.3235, 0.4182,
0.5062

73.3024, 0.3515,
0.3937

■ 74.2388, 0.3364,
0.3685

■ 75.3284, 0.3214,
0.3435

■ 76.5779, 0.3069,
0.3193

■ 77.8145, 0.2948,
0.2992

■ 77.8384, 0.2949,
0.2992

Harmonies

Analogous

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



70.9361, 0.4632, 0.4295



70.9361, 0.4024, 0.4790



70.9361, 0.3224, 0.4858

Triad

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



70.9361, 0.4024, 0.4790



70.9361, 0.1667, 0.2529



70.9361, 0.3714, 0.2535

Complementary

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



70.9361, 0.4024, 0.4790



12.4096, 0.1854, 0.1179

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.



70.9361, 0.2828, 0.2159



70.9361, 0.4024, 0.4790



70.9361, 0.1756, 0.2108

Square

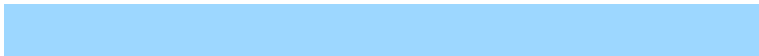
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.9361, 0.4024, 0.4790



70.9361, 0.1891, 0.3307



70.9361, 0.2144, 0.2003



70.9361, 0.4503, 0.3068

Rectangle

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



70.9361, 0.4024, 0.4790



70.9361, 0.2687, 0.4527



70.9361, 0.2144, 0.2003



70.9361, 0.3411, 0.2389

Sweetspot

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



70.9394, 0.4024, 0.4790



97.0766, 0.3428, 0.3791



22.0058, 0.5296, 0.3296



20.7045, 0.3470, 0.3862



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.



70.9394, 0.4024, 0.4790



92.7937, 0.4122, 0.4956



61.5528, 0.3459, 0.5144



16.0248, 0.3266, 0.3522



40.1221, 0.4182, 0.5061



2.7825, 0.4184, 0.5060

Inverse Universe

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



12.4096, 0.1854, 0.1179



10.6250, 0.1646, 0.0836



17.4181, 0.2427, 0.1446



13.2476, 0.2981, 0.3048



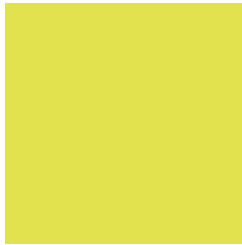
3.1400, 0.1502, 0.0601



0.2192, 0.1509, 0.0605

Previews

White Background



This preview shows how the Yxy color 70.9361, 0.4024, 0.4790 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 70.9361, 0.4024, 0.4790 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 70.9361, 0.4024, 0.4790

Background



This preview shows how black text looks on a background with the Yxy color 70.9361, 0.4024, 0.4790.



This preview shows how white text looks on a background with the Yxy color 70.9361, 0.4024, 0.4790.

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

70.9361, 0.4024, 0.4790

Protanopia

70.5835, 0.4235, 0.4652

Deuteranopia

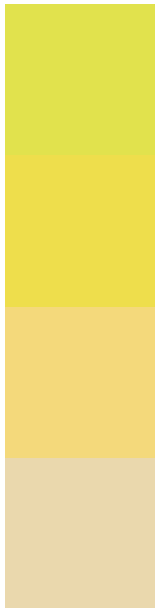
70.5490, 0.3914, 0.3928



Tritanopia

70.5407, 0.3217, 0.3113

Trichromacy



Original Color

70.9361, 0.4024, 0.4790

Protanomaly

70.9415, 0.4155, 0.4703

Deuteranomaly

70.2889, 0.3986, 0.4264

Tritanomaly

69.6213, 0.3566, 0.3760

Monochromacy



Original Color

70.9361, 0.4024, 0.4790

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

65.6212, 0.3504, 0.3914

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.9361, 0.4024, 0.4790 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(225, 226, 77)` looks like.

```
.text, #text, p{  
    color:rgb(225, 226, 77)  
}
```

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(225, 226, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 226, 77) }
```

Border

The CSS property to change the border of an element to Yxy 70.9361, 0.4024, 0.4790 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(225, 226, 77) }
```

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

```
.border{ border-color:rgb(225, 226, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 226, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 226, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 226, 77);  
box-shadow:4px 4px 4px 4px rgb(225, 226,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 70.9361, 0.4024, 0.4790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 226, 77) }
```

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

```
.background{ background-color: rgb(225,  
226, 77) }
```

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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