

Converting Colors

$Y_{xy}(70.4472, 0.4153, 0.5012)$

Have a look what the booklet for
Yxy(70.4472, 0.4153, 0.5012)
contains.

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Color

Yxy(70.4940, 0.4156, 0.5009)

Conversions

Conversions Part 1

Format	Color
Hex	E1E21E
RGB	225, 226, 30
RGB Percent	88%, 89%, 12%
CMY	0.1175, 0.1137, 0.8824
CMYK	0.00, 0.00, 0.87, 0.11
HSL	60°, 77%, 50%
HSV	60°, 87%, 89%
XYZ	58.4893, 70.4940, 11.7513
YIQ	203.3570, 62.3200, -61.1680

Conversions

Conversions Part 2

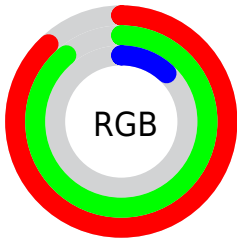
Format	Color
R_{YB}	30, 226, 31
Decimal	14803486
CIE _{Lab}	87.24, -19.71, 82.78
CIE _{LCh}	87, 85.089, 103.391
Yxy	70.4940, 0.4156, 0.5009
Android (android.graphics.Color)	4292993566 (0xFFE1E21E)
YUV	203.3570, -85.4650, 18.9809
Hunter-Lab	83.9607, -22.5832, 50.4741

Details

The Yxy color **70.4940, 0.4156, 0.5009** 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 **6.7101, 0.1571, 0.0714**, and the grayscale version is **60.4808, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6809, 0.3990, 0.4716**, and **37.1252, 0.4133, 0.5101** is the 20% darker color. If you saturate the color by 10%, you get **70.4019, 0.4180, 0.5051**, and if you desaturate by 10%, it is **70.6748, 0.4108, 0.4927**.

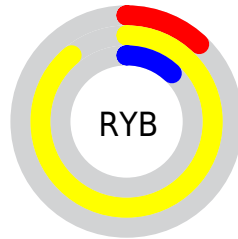
Distribution



Red (88%)

Green (89%)

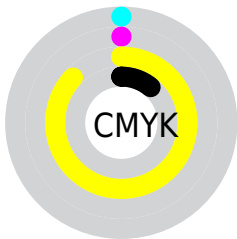
Blue (12%)



Red (12%)

Yellow (89%)

Blue (12%)

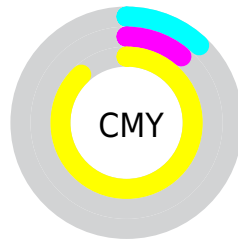


Cyan (0%)

Magenta (0%)

Yellow (87%)

Black (11%)



Cyan (12%)

Magenta (11%)

Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.4940, 0.4156, 0.5009 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 70.4940, 0.4156, 0.5009 by changing the saturation by 10% instead.

70.4940, 0.4156,
0.5009

70.4940, 0.4156,
0.5009

462.2826, 0.3769,
0.4261

51.9294, 0.4210,
0.5150

119.9130, 0.4048,
0.4770

36.9488, 0.4257,
0.5305

151.5361, 0.3998,
0.4671

25.1678, 0.4286,
0.5471

188.2808, 0.3952,
0.4582

16.2021, 0.4315,
0.5685

230.5316, 0.3909,
0.4504

9.6673, 0.4206,
0.5794

278.6727, 0.3869,
0.4433

5.1789, 0.4047,
0.5953

333.0887, 0.3833,

2.3526, 0.3788,

0.4370

0.6212

394.1639, 0.3800,
0.4313

■ 0.8014, 0.2593,
0.7407

■ 0.0000, 0.0000,
0.0000

■ 70.4940, 0.4156,
0.5009

■ 70.4940, 0.4156,
0.5009

■ 70.4019, 0.4180,
0.5051

■ 70.6748, 0.4108,
0.4927


■ 70.3798, 0.4185,
0.5059


■ 70.9501, 0.4033,
0.4800

■ 71.3353, 0.3933,
0.4633


■ 71.8410, 0.3812,
0.4430

 72.4763, 0.3675,
0.4202

 73.2496, 0.3528,
0.3956

 74.1685, 0.3376,
0.3705

 75.2401, 0.3226,
0.3454

 76.4710, 0.3080,
0.3212

Harmonies

Analogous

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



70.4940, 0.4873, 0.4370



70.4940, 0.4156, 0.5009



70.4940, 0.3235, 0.5193

Triad

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



70.4940, 0.4156, 0.5009



70.4940, 0.1459, 0.2404



70.4940, 0.3773, 0.2396

Complementary

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



70.4940, 0.4156, 0.5009



6.7101, 0.1571, 0.0714

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.



70.4940, 0.2731, 0.1984



70.4940, 0.4156, 0.5009



70.4940, 0.1551, 0.1931

Square

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



70.4940, 0.4156, 0.5009



70.4940, 0.1706, 0.3328



70.4940, 0.1966, 0.1816



70.4940, 0.4731, 0.2984

Rectangle

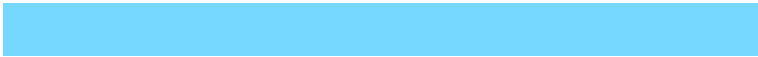
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.4940, 0.4156, 0.5009



70.4940, 0.2616, 0.4831



70.4940, 0.1966, 0.1816



70.4940, 0.3410, 0.2235

Sweetspot

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



70.4973, 0.4156, 0.5009



96.3792, 0.3519, 0.3943



17.1905, 0.6153, 0.3299



20.5479, 0.3572, 0.4029



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.



70.4973, 0.4156, 0.5009



92.5425, 0.4185, 0.5059



59.0737, 0.3424, 0.5567



16.0260, 0.3266, 0.3522



40.1547, 0.4185, 0.5059



2.7844, 0.4186, 0.5058

Inverse Universe

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



6.7101, 0.1571, 0.0714



7.2281, 0.1501, 0.0601



11.0084, 0.2159, 0.1029



13.2465, 0.2981, 0.3048



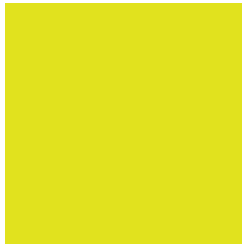
3.1382, 0.1502, 0.0601



0.2187, 0.1506, 0.0604

Previews

White Background



This preview shows how the Yxy color 70.4940, 0.4156, 0.5009 looks on a white background.

Color Contrast Check

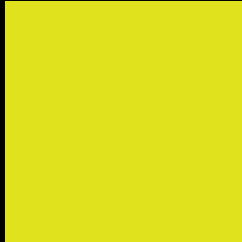
Large Text (above 18pt) WCAG AA × Fail

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 70.4940, 0.4156, 0.5009 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 70.4940, 0.4156, 0.5009

Background



This preview shows how black text looks on a background with the Yxy color 70.4940, 0.4156, 0.5009.

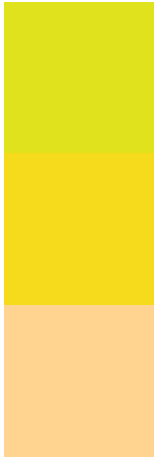


This preview shows how white text looks on a background with the Yxy color 70.4940, 0.4156, 0.5009.

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

70.4940, 0.4156, 0.5009

Protanopia

70.3397, 0.4376, 0.4844

Deuteranopia

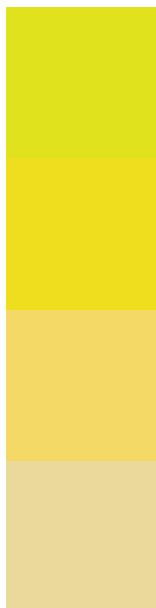
70.3913, 0.3949, 0.3977



Tritanopia

70.1645, 0.3232, 0.3113

Trichromacy



Original Color

70.4940, 0.4156, 0.5009

Protanomaly

70.5084, 0.4289, 0.4909

Deuteranomaly

69.8381, 0.4104, 0.4439

Tritanomaly

69.1405, 0.3703, 0.3955

Monochromacy



Original Color

70.4940, 0.4156, 0.5009

Achromatopsia

59.7202, 0.3127, 0.3290

Achromatomaly

62.3309, 0.3631, 0.4123

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.4940, 0.4156, 0.5009 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, 30)` looks like.

```
.text, #text, p{  
    color:rgb(225, 226, 30)  
}
```

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, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 226, 30) }
```

Border

The CSS property to change the border of an element to Yxy 70.4940, 0.4156, 0.5009 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, 30) }
```

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

```
.border{ border-color:rgb(225, 226, 30) }
```

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, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 226, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 226, 30);  
box-shadow:4px 4px 4px 4px rgb(225, 226,  
30) }
```


Background

The CSS property to change the background color of an element to Yxy 70.4940, 0.4156, 0.5009 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, 30) }
```

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

```
.background{ background-color: rgb(225,  
226, 30) }
```

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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