

Converting Colors

$Yxy(76.7422, 0.4135, 0.4979)$

Have a look what the booklet for
Yxy(76.7422, 0.4135, 0.4979)
contains.

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Color

Yxy(76.9075, 0.4130, 0.4984)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | E9EB2A |
| RGB | 233, 235, 42 |
| RGB Percent | 91%, 92%, 16% |
| CMY | 0.0863, 0.0784, 0.8354 |
| CMYK | 0.01, 0.00, 0.82, 0.08 |
| HSL | 61°, 83%, 54% |
| HSV | 61°, 82%, 92% |
| XYZ | 63.7295, 76.9075, 13.6718 |
| YIQ | 212.4000, 60.7610, -60.4470 |

Conversions

Conversions Part 2

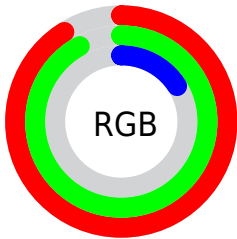
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 42, 235, 44 |
| Decimal | 15330090 |
| CIE Lab | 90.28, -20.47, 83.09 |
| CIE LCh | 90, 85.574, 103.841 |
| Yxy | 76.9075, 0.4130, 0.4984 |
| Android (android.graphics.Color) | 4293520170 (0xFFE9EB2A) |
| YUV | 212.4000, -84.0072, 18.0662 |
| Hunter-Lab | 87.6969, -23.7533, 52.1447 |

Details

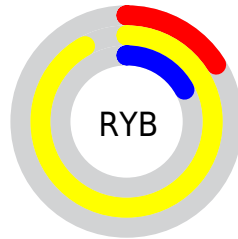
The Yxy color **76.9075, 0.4130, 0.4984** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **8.1867, 0.1616, 0.0785**, and the grayscale version is **66.6581, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8627, 0.3952, 0.4654**, and **41.5268, 0.4126, 0.5106** is the 20% darker color. If you saturate the color by 10%, you get **76.7482, 0.4163, 0.5044**, and if you desaturate by 10%, it is **77.1724, 0.4071, 0.4881**.

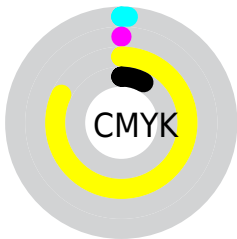
Distribution



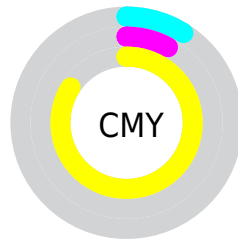
- Red (91%)
- Green (92%)
- Blue (16%)



- Red (16%)
- Yellow (92%)
- Blue (17%)



- Cyan (1%)
- Magenta (0%)
- Yellow (82%)
- Black (8%)




- Cyan (9%)
- Magenta (8%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.9075, 0.4130, 0.4984 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 76.9075, 0.4130, 0.4984 by changing the saturation by 10% instead.


 76.9075, 0.4130,
0.4984


 76.9075, 0.4130,
0.4984


484.4486, 0.3757,
0.4254

 57.1770, 0.4183,
0.5122


 129.0089, 0.4025,
0.4751


 41.1473, 0.4231,
0.5275


 162.1485, 0.3977,
0.4654


 28.4342, 0.4264,
0.5440

 200.5267, 0.3932,
0.4568

 18.6532, 0.4287,
0.5637

 244.5277, 0.3891,
0.4491

 11.4200, 0.4218,
0.5782

 294.5360, 0.3853,
0.4422

 6.3501, 0.4072,
0.5928


350.9360, 0.3818,


 3.0591, 0.3842,


0.4360


0.6158

414.1121, 0.3786,
0.4305


 1.1627, 0.3335,
0.6665


 0.0309, 0.0000,
1.0000

 76.9075, 0.4130,
0.4984


 76.9075, 0.4130,
0.4984


 76.7482, 0.4163,
0.5044


 77.1724, 0.4071,
0.4881


 76.6708, 0.4175,
0.5067


 77.5473, 0.3985,
0.4734


 78.0482, 0.3876,
0.4549


 78.6859, 0.3748,
0.4332

 79.4702, 0.3606,
0.4093

 80.4098, 0.3457,
0.3843

 81.5128, 0.3306,
0.3590

 82.7868, 0.3158,
0.3342

 84.2389, 0.3016,
0.3104

Harmonies

Analogous

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



76.9075, 0.4834, 0.4368



76.9075, 0.4130, 0.4984



76.9075, 0.3225, 0.5142

Triad

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



76.9075, 0.4130, 0.4984



76.9075, 0.1487, 0.2416



76.9075, 0.3775, 0.2421

Complementary

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



76.9075, 0.4130, 0.4984



8.1867, 0.1616, 0.0785

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.



76.9075, 0.2755, 0.2012



76.9075, 0.4130, 0.4984



76.9075, 0.1582, 0.1953

Square

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



76.9075, 0.4130, 0.4984



76.9075, 0.1728, 0.3314



76.9075, 0.1997, 0.1843



76.9075, 0.4706, 0.3003

Rectangle

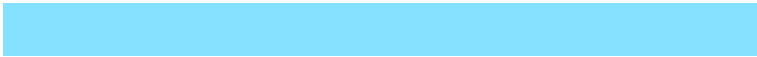
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.9075, 0.4130, 0.4984



76.9075, 0.2618, 0.4777



76.9075, 0.1997, 0.1843



76.9075, 0.3422, 0.2261

Sweetspot

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



76.9111, 0.4130, 0.4984



96.4270, 0.3502, 0.3918



19.4836, 0.6011, 0.3299



20.5535, 0.3555, 0.4006



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.



76.9111, 0.4130, 0.4984



92.2906, 0.4174, 0.5065



65.0326, 0.3439, 0.5496



17.6185, 0.3266, 0.3523



42.6715, 0.4175, 0.5067



3.3533, 0.4178, 0.5065

Inverse Universe

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



8.1867, 0.1616, 0.0785



7.3088, 0.1505, 0.0606



13.0966, 0.2213, 0.1099



14.5564, 0.2981, 0.3046



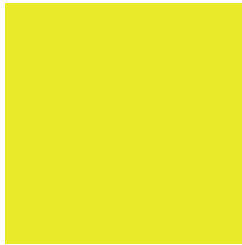
3.3504, 0.1503, 0.0602



0.2657, 0.1512, 0.0607

Previews

White Background



This preview shows how the Yxy color 76.9075, 0.4130, 0.4984 looks on a white background.

Color Contrast Check

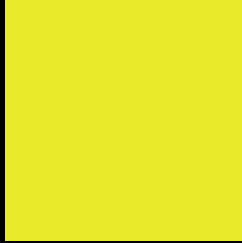
Large Text (above 18pt) WCAG AA × Fail

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 76.9075, 0.4130, 0.4984 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 76.9075, 0.4130, 0.4984

Background



This preview shows how black text looks on a background with the Yxy color 76.9075, 0.4130, 0.4984.



This preview shows how white text looks on a background with the Yxy color 76.9075, 0.4130, 0.4984.

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

76.9075, 0.4130, 0.4984

Protanopia

76.4552, 0.4327, 0.4770

Deuteranopia

76.6371, 0.3691, 0.3762



Tritanopia

76.6756, 0.3221, 0.3119

Trichromacy



Original Color

76.9075, 0.4130, 0.4984

Protanomaly

76.5895, 0.4255, 0.4849

Deuteranomaly

76.2446, 0.3935, 0.4307

Tritanomaly

75.6217, 0.3667, 0.3923

Monochromacy



Original Color

76.9075, 0.4130, 0.4984

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

68.6041, 0.3605, 0.4081

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.9075, 0.4130, 0.4984 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(233, 235, 42)` looks like.

```
.text, #text, p{  
    color:rgb(233, 235, 42)  
}
```

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(233, 235, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 235, 42) }
```

Border

The CSS property to change the border of an element to Yxy 76.9075, 0.4130, 0.4984 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(233, 235, 42) }
```

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

```
.border{ border-color:rgb(233, 235, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 235, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 235, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 235, 42);  
box-shadow:4px 4px 4px 4px rgb(233, 235,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 76.9075, 0.4130, 0.4984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 235, 42) }
```

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

```
.background{ background-color: rgb(233,  
235, 42) }
```

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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