

Converting Colors

$Yxy(76.7902, 0.4086, 0.4832)$

Have a look what the booklet for
Yxy(76.7902, 0.4086, 0.4832)
contains.

| | |
|---|----|
| Yxy(76.5529, 0.4090, 0.4829) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(76.5529, 0.4090, 0.4829)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | ECE946 |
| RGB | 236, 233, 70 |
| RGB Percent | 93%, 91%, 27% |
| CMY | 0.0745, 0.0863, 0.7259 |
| CMYK | 0.00, 0.01, 0.70, 0.07 |
| HSL | 59°, 81%, 60% |
| HSV | 59°, 70%, 93% |
| XYZ | 64.8377, 76.5529, 17.1368 |
| YIQ | 215.3150, 54.1110, -50.0570 |

Conversions

Conversions Part 2

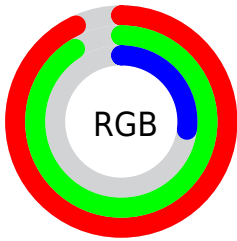
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 73, 236, 70 |
| Decimal | 15526214 |
| CIE Lab | 90.12, -17.25, 74.98 |
| CIE LCh | 90, 76.933, 102.953 |
| Yxy | 76.5529, 0.4090, 0.4829 |
| Android (android.graphics.Color) | 4293716294 (0xFFECE946) |
| YUV | 215.3150, -71.6403, 18.1407 |
| Hunter-Lab | 87.4945, -20.8382, 49.6335 |

Details

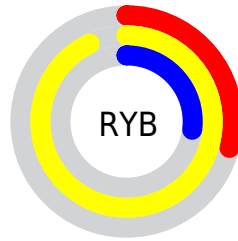
The Yxy color **76.5529, 0.4090, 0.4829** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **12.1098, 0.1777, 0.1074**, and the grayscale version is **68.6445, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.3385, 0.3860, 0.4501**, and **41.0709, 0.4174, 0.5068** is the 20% darker color. If you saturate the color by 10%, you get **76.0732, 0.4160, 0.4936**, and if you desaturate by 10%, it is **77.1573, 0.3993, 0.4679**.

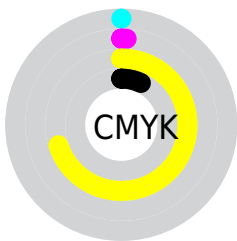
Distribution



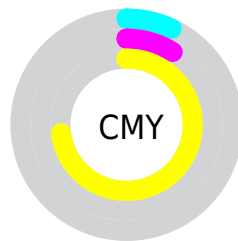
- Red (93%)
- Green (91%)
- Blue (27%)



- Red (29%)
- Yellow (93%)
- Blue (27%)



- Cyan (0%)
- Magenta (1%)
- Yellow (70%)
- Black (7%)





- Cyan (7%)
- Magenta (9%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.5529, 0.4090, 0.4829 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 76.5529, 0.4090, 0.4829 by changing the saturation by 10% instead.


 76.5529, 0.4090,
0.4829

 76.5529, 0.4090,
0.4829


483.2383, 0.3712,
0.4155

 56.8860, 0.4151,
0.4962


 128.5082, 0.3978,
0.4610


 40.9137, 0.4213,
0.5112


 161.5653, 0.3929,
0.4520

 28.2517, 0.4268,
0.5280


 199.8547, 0.3884,
0.4441

 18.5155, 0.4304,
0.5461

 243.7606, 0.3843,
0.4370

 11.3207, 0.4322,
0.5678

 293.6675, 0.3805,
0.4308

 6.2830, 0.4199,
0.5801


349.9599, 0.3772,


 3.0179, 0.4006,


0.4251


0.5994


413.0220, 0.3741,
0.4201


 1.1411, 0.3606,
0.6394


 0.0128, 0.0000,
1.0000


 76.5529, 0.4090,
0.4829


 76.5529, 0.4090,
0.4829


 76.0732, 0.4160,
0.4936

 77.1573, 0.3993,
0.4679

 75.6929, 0.4204,
0.5000

 77.8880, 0.3874,
0.4491

 75.4006, 0.4225,
0.5027

 78.7592, 0.3738,
0.4273

 79.7806, 0.3590,
0.4036

80.9609, 0.3436,
0.3789

82.3083, 0.3282,
0.3541

83.8302, 0.3133,
0.3299

85.2919, 0.3012,
0.3104

85.5391, 0.3012,
0.3109

Harmonies

Analogous

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



76.5529, 0.4711, 0.4290



76.5529, 0.4090, 0.4829



76.5529, 0.3264, 0.4948

Triad

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



76.5529, 0.4090, 0.4829



76.5529, 0.1619, 0.2526



76.5529, 0.3689, 0.2481

Complementary

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



76.5529, 0.4090, 0.4829



12.1098, 0.1777, 0.1074

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.



76.5529, 0.2770, 0.2105



76.5529, 0.4090, 0.4829



76.5529, 0.1695, 0.2076

Square

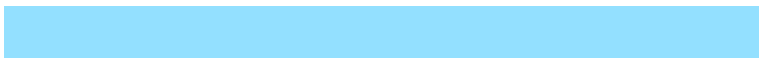
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.5529, 0.4090, 0.4829



76.5529, 0.1863, 0.3353



76.5529, 0.2077, 0.1956



76.5529, 0.4531, 0.3023

Rectangle

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



76.5529, 0.4090, 0.4829



76.5529, 0.2704, 0.4629



76.5529, 0.2077, 0.1956



76.5529, 0.3372, 0.2334

Sweetspot

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



76.5565, 0.4090, 0.4829



96.4006, 0.3447, 0.3807



22.7181, 0.5446, 0.3250



20.5468, 0.3490, 0.3876



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.



76.5565, 0.4090, 0.4829



90.4867, 0.4181, 0.4967



67.7599, 0.3497, 0.5231



17.5774, 0.3268, 0.3519



41.5786, 0.4225, 0.5027



3.2799, 0.4220, 0.5031

Inverse Universe

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



12.1098, 0.1777, 0.1074



9.5399, 0.1593, 0.0764



16.6679, 0.2315, 0.1311



14.5926, 0.2980, 0.3051



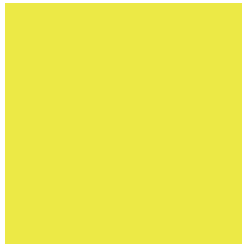
3.4095, 0.1503, 0.0612



0.2832, 0.1512, 0.0643

Previews

White Background



This preview shows how the Yxy color 76.5529, 0.4090, 0.4829 looks on a white background.

Color Contrast Check

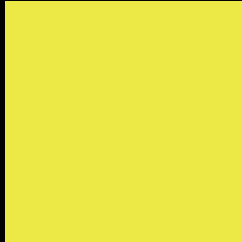
Large Text (above 18pt) WCAG AA × Fail

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 76.5529, 0.4090, 0.4829 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 76.5529, 0.4090, 0.4829

Background



This preview shows how black text looks on a background with the Yxy color 76.5529, 0.4090, 0.4829.



This preview shows how white text looks on a background with the Yxy color 76.5529, 0.4090, 0.4829.

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

76.5529, 0.4090, 0.4829

Protanopia

76.4264, 0.4273, 0.4707

Deuteranopia

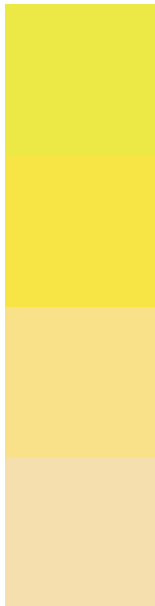
76.1075, 0.3694, 0.3752



Tritanopia

76.4650, 0.3243, 0.3119

Trichromacy



Original Color

76.5529, 0.4090, 0.4829

Protanomaly

76.2425, 0.4203, 0.4751

Deuteranomaly

75.6130, 0.3890, 0.4193

Tritanomaly

75.2830, 0.3619, 0.3795

Monochromacy



Original Color

76.5529, 0.4090, 0.4829

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

70.5392, 0.3542, 0.3961

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.5529, 0.4090, 0.4829 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(236, 233, 70)` looks like.

```
.text, #text, p{  
    color:rgb(236, 233, 70)  
}
```

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(236, 233, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 233, 70) }
```

Border

The CSS property to change the border of an element to Yxy 76.5529, 0.4090, 0.4829 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(236, 233, 70) }
```

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

```
.border{ border-color:rgb(236, 233, 70) }
```

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

Here you see how a box with a 4 pixel rgb(236, 233, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 233, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 233, 70);  
box-shadow:4px 4px 4px 4px rgb(236, 233,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 76.5529, 0.4090, 0.4829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 233, 70) }
```

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

```
.background{ background-color: rgb(236,  
233, 70) }
```

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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