

Converting Colors

Yxy(76.2426, 0.3750, 0.4485)

Have a look what the booklet for
Yxy(76.2426, 0.3750, 0.4485)
contains.

Yxy(76.1230, 0.3751, 0.4480)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(76.1230, 0.3751, 0.4480)

Conversions

Conversions Part 1

Format	Color
Hex	E0EA7B
RGB	224, 234, 123
RGB Percent	88%, 92%, 48%
CMY	0.1216, 0.0823, 0.5178
CMYK	0.04, 0.00, 0.47, 0.08
HSL	65°, 73%, 70%
HSV	65°, 47%, 92%
XYZ	63.7360, 76.1230, 30.0584
YIQ	218.3560, 29.6710, -36.6410

Conversions

Conversions Part 2

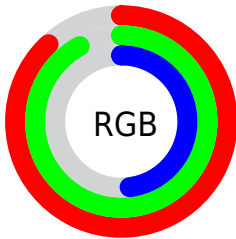
Format	Color
RYB	123, 234, 133
Decimal	14740091
CIELab	89.92, -18.89, 52.39
CIElCh	90, 55.691, 109.832
Yxy	76.1230, 0.3751, 0.4480
Android (android.graphics.Color)	4292930171 (0xFFE0EA7B)
YUV	218.3560, -47.0105, 4.9498
Hunter-Lab	87.2485, -22.2886, 40.6477

Details

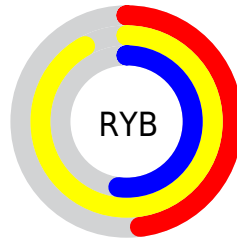
The Yxy color **76.1230, 0.3751, 0.4480** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **25.0807, 0.2295, 0.1821**, and the grayscale version is **70.6845, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9944, 0.3585, 0.4047**, and **40.4985, 0.3863, 0.4746** is the 20% darker color. If you saturate the color by 10%, you get **75.2741, 0.3855, 0.4696**, and if you desaturate by 10%, it is **77.1231, 0.3630, 0.4240**.

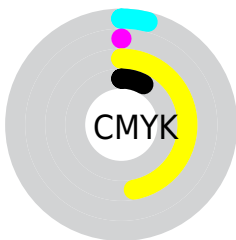
Distribution



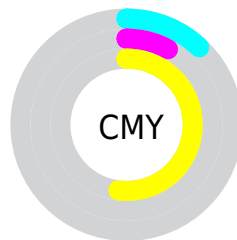
- Red (88%)
- Green (92%)
- Blue (48%)



- Red (48%)
- Yellow (92%)
- Blue (52%)



- Cyan (4%)
- Magenta (0%)
- Yellow (47%)
- Black (8%)





- Cyan (12%)
- Magenta (8%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.1230, 0.3751, 0.4480 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 76.1230, 0.3751, 0.4480 by changing the saturation by 10% instead.

 76.1230, 0.3751,
0.4480

 76.1230, 0.3751,
0.4480


481.7686, 0.3490,
0.3930

 56.5334, 0.3801,
0.4601


 127.9008, 0.3668,
0.4292

 40.6307, 0.3856,
0.4748


 160.8577, 0.3633,
0.4217

 28.0307, 0.3917,
0.4926


 199.0392, 0.3602,
0.4153

 18.3488, 0.3978,
0.5145

242.8296, 0.3575,
0.4097

 11.2007, 0.4027,
0.5412

292.6133, 0.3550,
0.4048

 6.2020, 0.4129,
0.5871


348.7748, 0.3528,

 2.9683, 0.3914,


0.4004


0.6086


411.6985, 0.3508,
0.3965


 1.1152, 0.3430,
0.6570


 0.0000, 0.0000,
0.0000


 76.1230, 0.3751,
0.4480


 76.1230, 0.3751,
0.4480


 75.2741, 0.3855,
0.4696


 77.1231, 0.3630,
0.4240


 74.5557, 0.3938,
0.4879

 78.2731, 0.3499,
0.3986

 73.9599, 0.3996,
0.5019


 79.5849, 0.3363,
0.3727


 73.4731, 0.4027,
0.5115


 81.0661, 0.3227,
0.3473


 73.0773, 0.4034,
0.5169


 82.7242, 0.3094,
0.3229

 72.9839, 0.4034,
0.5179

 84.0154, 0.3016,
0.3080

 84.3799, 0.3030,
0.3081

 84.7487, 0.3044,
0.3082

 85.1218, 0.3058,
0.3083

Harmonies

Analogous

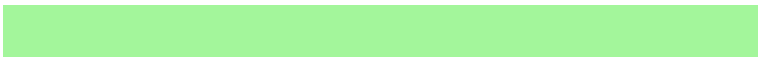
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.1230, 0.4246, 0.4190



76.1230, 0.3751, 0.4480



76.1230, 0.3118, 0.4399

Triad

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



76.1230, 0.3751, 0.4480



76.1230, 0.1964, 0.2642



76.1230, 0.3700, 0.2770

Complementary

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



76.1230, 0.3751, 0.4480



25.0807, 0.2295, 0.1821

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.



76.1230, 0.3023, 0.2434



76.1230, 0.3751, 0.4480



76.1230, 0.2079, 0.2335

Square

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



76.1230, 0.3751, 0.4480



76.1230, 0.2112, 0.3203



76.1230, 0.2443, 0.2276



76.1230, 0.4246, 0.3224

Rectangle

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



76.1230, 0.3751, 0.4480



76.1230, 0.2704, 0.4098



76.1230, 0.2443, 0.2276



76.1230, 0.3476, 0.2642

Sweetspot

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



76.1265, 0.3751, 0.4480



97.3051, 0.3317, 0.3640



35.4832, 0.4384, 0.3398



20.7464, 0.3346, 0.3696



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.



76.1265, 0.3751, 0.4480



91.4975, 0.3853, 0.4692



68.7398, 0.3349, 0.4659



17.5539, 0.3254, 0.3524



41.0386, 0.4036, 0.5177



3.2427, 0.4059, 0.5159

Inverse Universe

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



25.0807, 0.2295, 0.1821



22.4891, 0.2094, 0.1485



30.7548, 0.2750, 0.1985



14.6138, 0.2994, 0.3047



3.4512, 0.1530, 0.0617



0.2933, 0.1604, 0.0657

Previews

White Background



This preview shows how the Yxy color 76.1230, 0.3751, 0.4480 looks on a white background.

Color Contrast Check

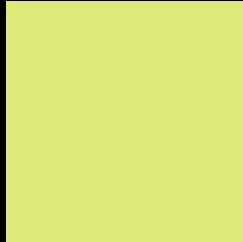
Large Text (above 18pt) WCAG AA × Fail

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 76.1230, 0.3751, 0.4480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

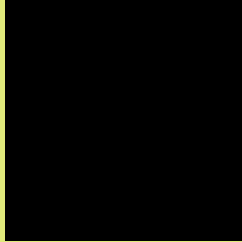
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

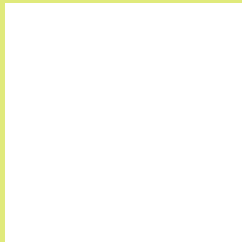
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.1230, 0.3751, 0.4480

Background



This preview shows how black text looks on a background with the Yxy color 76.1230, 0.3751, 0.4480.



This preview shows how white text looks on a background with the Yxy color 76.1230, 0.3751, 0.4480.

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

76.1230, 0.3751, 0.4480

Protanopia

75.8885, 0.3996, 0.4354

Deuteranopia

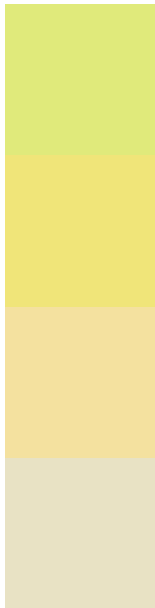
75.7011, 0.3675, 0.3711



Tritanopia

75.8905, 0.3128, 0.3115

Trichromacy



Original Color

76.1230, 0.3751, 0.4480

Protanomaly

75.9444, 0.3907, 0.4401

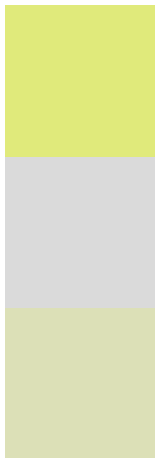
Deuteranomaly

75.5867, 0.3715, 0.3983

Tritanomaly

75.5340, 0.3369, 0.3613

Monochromacy



Original Color

76.1230, 0.3751, 0.4480

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

71.9459, 0.3372, 0.3748

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.1230, 0.3751, 0.4480 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(224, 234, 123)` looks like.

```
.text, #text, p{  
    color:rgb(224, 234, 123)  
}
```

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(224, 234, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 234, 123) }
```

Border

The CSS property to change the border of an element to Yxy 76.1230, 0.3751, 0.4480 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(224, 234, 123) }
```

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

```
.border{ border-color:rgb(224, 234, 123) }
```

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

Here you see how a box with a 4 pixel rgb(224, 234, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 234, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 234, 123);  
box-shadow:4px 4px 4px 4px rgb(224, 234,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 76.1230, 0.3751, 0.4480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 234, 123) }
```

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

```
.background{ background-color: rgb(224,  
234, 123) }
```

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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