

Converting Colors

$Yxy(76.3942, 0.3778, 0.4397)$

Have a look what the booklet for
Yxy(76.3942, 0.3778, 0.4397)
contains.

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Color

Yxy(76.0947, 0.3776, 0.4395)

Conversions

Conversions Part 1

Format	Color
Hex	E6E880
RGB	230, 232, 128
RGB Percent	90%, 91%, 50%
CMY	0.0982, 0.0901, 0.4980
CMYK	0.01, 0.00, 0.45, 0.09
HSL	61°, 69%, 71%
HSV	61°, 45%, 91%
XYZ	65.3774, 76.0947, 31.6672
YIQ	219.5460, 32.1920, -32.7680

Conversions

Conversions Part 2

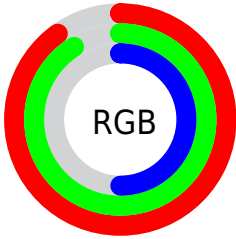
Format	Color
RYB	128, 232, 130
Decimal	15132800
CIELab	89.90, -15.11, 50.08
CIElCh	90, 52.313, 106.792
Yxy	76.0947, 0.3776, 0.4395
Android (android.graphics.Color)	4293322880 (0xFFE6E880)
YUV	219.5460, -45.1322, 9.1682
Hunter-Lab	87.2323, -18.8773, 39.5391

Details

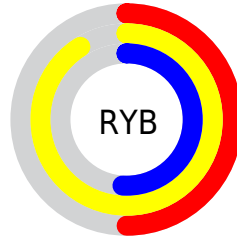
The Yxy color **76.0947, 0.3776, 0.4395** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **26.0197, 0.2296, 0.1896**, and the grayscale version is **71.5398, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1989, 0.3556, 0.3998**, and **40.8503, 0.3892, 0.4641** is the 20% darker color. If you saturate the color by 10%, you get **75.4796, 0.3898, 0.4606**, and if you desaturate by 10%, it is **76.8566, 0.3639, 0.4160**.

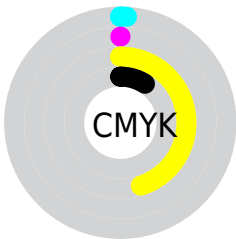
Distribution



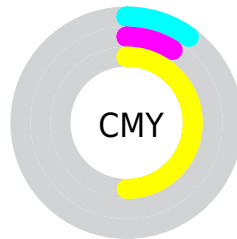
- Red (90%)
- Green (91%)
- Blue (50%)



- Red (50%)
- Yellow (91%)
- Blue (51%)



- Cyan (1%)
- Magenta (0%)
- Yellow (45%)
- Black (9%)




- Cyan (10%)
- Magenta (9%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.0947, 0.3776, 0.4395 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 76.0947, 0.3776, 0.4395 by changing the saturation by 10% instead.


 76.0947, 0.3776,
0.4395


 76.0947, 0.3776,
0.4395


481.6718, 0.3499,
0.3886


 56.5102, 0.3831,
0.4507


 127.8608, 0.3686,
0.4221

 40.6121, 0.3893,
0.4642


 160.8111, 0.3649,
0.4153

 28.0161, 0.3963,
0.4806


 198.9854, 0.3617,
0.4093

 18.3378, 0.4039,
0.5007

242.7682, 0.3588,
0.4041

 11.1928, 0.4112,
0.5254

292.5439, 0.3562,
0.3996

 6.1967, 0.4242,
0.5664

348.6968, 0.3539,

 2.9650, 0.4112,

0.3955

0.5888

411.6113, 0.3518,
0.3919

■ 1.1135, 0.3768,
0.6232

■ 0.0000, 0.0000,
0.0000

■ 76.0947, 0.3776,
0.4395

■ 76.0947, 0.3776,
0.4395

■ 75.4796, 0.3898,
0.4606

■ 76.8566, 0.3639,
0.4160

■ 74.9913, 0.3999,
0.4784

■ 77.7636, 0.3493,
0.3911


■ 74.6224, 0.4076,
0.4921


■ 78.8273, 0.3344,
0.3658


■ 74.3601, 0.4127,
0.5014


■ 80.0551, 0.3197,
0.3408


 74.1892, 0.4152,
0.5065

 81.4539, 0.3054,
0.3167

 74.1239, 0.4158,
0.5080

 82.2180, 0.2991,
0.3058

 82.2951, 0.2994,
0.3058

 82.3725, 0.2997,
0.3058

 82.4500, 0.3000,
0.3058

Harmonies

Analogous

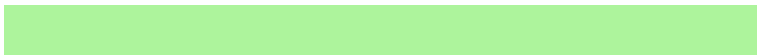
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.0947, 0.4218, 0.4106



76.0947, 0.3776, 0.4395



76.0947, 0.3185, 0.4353

Triad

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



76.0947, 0.3776, 0.4395



76.0947, 0.2028, 0.2727



76.0947, 0.3604, 0.2761

Complementary

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



76.0947, 0.3776, 0.4395



26.0197, 0.2296, 0.1896

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.



76.0947, 0.2969, 0.2455



76.0947, 0.3776, 0.4395



76.0947, 0.2112, 0.2406

Square

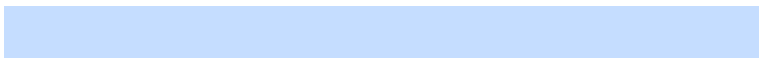
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.0947, 0.3776, 0.4395



76.0947, 0.2197, 0.3276



76.0947, 0.2437, 0.2325



76.0947, 0.4138, 0.3186

Rectangle

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



76.0947, 0.3776, 0.4395



76.0947, 0.2789, 0.4097



76.0947, 0.2437, 0.2325



76.0947, 0.3392, 0.2642

Sweetspot

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



76.0982, 0.3776, 0.4395



97.9219, 0.3318, 0.3613



34.6150, 0.4320, 0.3313



20.8913, 0.3351, 0.3669



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.



76.0982, 0.3776, 0.4395



93.5590, 0.3892, 0.4595



68.7798, 0.3390, 0.4556



16.8019, 0.3265, 0.3522



41.1509, 0.4159, 0.5080



3.0456, 0.4164, 0.5075

Inverse Universe

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



26.0197, 0.2296, 0.1896



24.0072, 0.2094, 0.1561



31.1830, 0.2716, 0.2040



13.9007, 0.2983, 0.3047



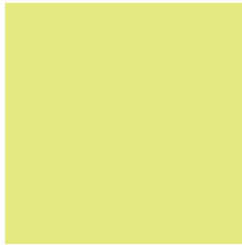
3.2572, 0.1506, 0.0604



0.2455, 0.1524, 0.0613

Previews

White Background



This preview shows how the Yxy color 76.0947, 0.3776, 0.4395 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 76.0947, 0.3776, 0.4395 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 76.0947, 0.3776, 0.4395

Background



This preview shows how black text looks on a background with the Yxy color 76.0947, 0.3776, 0.4395.



This preview shows how white text looks on a background with the Yxy color 76.0947, 0.3776, 0.4395.

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

76.0947, 0.3776, 0.4395

Protanopia

75.8555, 0.3953, 0.4304

Deuteranopia

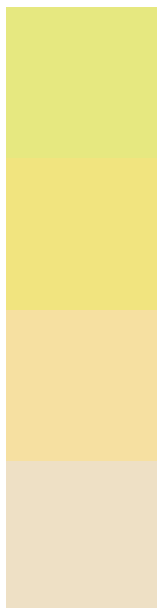
75.7417, 0.3668, 0.3701



Tritanopia

76.1781, 0.3171, 0.3117

Trichromacy



Original Color

76.0947, 0.3776, 0.4395

Protanomaly

75.7199, 0.3884, 0.4335

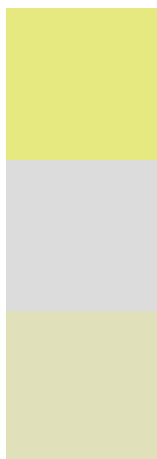
Deuteranomaly

75.4773, 0.3720, 0.3949

Tritanomaly

75.5197, 0.3410, 0.3577

Monochromacy



Original Color

76.0947, 0.3776, 0.4395

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

72.7465, 0.3374, 0.3699

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.0947, 0.3776, 0.4395 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(230, 232, 128)` looks like.

```
.text, #text, p{  
    color:rgb(230, 232, 128)  
}
```

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(230, 232, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 232, 128) }
```

Border

The CSS property to change the border of an element to Yxy 76.0947, 0.3776, 0.4395 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(230, 232, 128) }
```

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

```
.border{ border-color:rgb(230, 232, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 232, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 232, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 232, 128);  
box-shadow:4px 4px 4px 4px rgb(230, 232,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 76.0947, 0.3776, 0.4395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 232, 128) }
```

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

```
.background{ background-color: rgb(230,  
232, 128) }
```

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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