

Converting Colors

$Yxy(77.4161, 0.3841, 0.4471)$

Have a look what the booklet for
Yxy(77.4161, 0.3841, 0.4471)
contains.

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Color

Yxy(77.6941, 0.3843, 0.4473)

Conversions

Conversions Part 1

Format	Color
Hex	EAEA78
RGB	234, 234, 120
RGB Percent	92%, 92%, 47%
CMY	0.0823, 0.0824, 0.5294
CMYK	0.00, 0.00, 0.49, 0.08
HSL	60°, 73%, 69%
HSV	60°, 49%, 92%
XYZ	66.7513, 77.6941, 29.2504
YIQ	221.0040, 36.5940, -35.4540

Conversions

Conversions Part 2

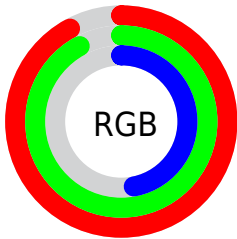
Format	Color
RYB	120, 234, 120
Decimal	15395448
CIELab	90.64, -15.22, 54.81
CIELCh	91, 56.887, 105.517
Yxy	77.6941, 0.3843, 0.4473
Android (android.graphics.Color)	4293585528 (0xFFEAEA78)
YUV	221.0040, -49.7950, 11.3975
Hunter-Lab	88.1443, -19.0752, 42.0258

Details

The Yxy color **77.6941, 0.3843, 0.4473** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **23.3781, 0.2196, 0.1751**, and the grayscale version is **72.6514, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8751, 0.3603, 0.4076**, and **41.4761, 0.3968, 0.4724** is the 20% darker color. If you saturate the color by 10%, you get **77.1940, 0.3961, 0.4668**, and if you desaturate by 10%, it is **78.3402, 0.3708, 0.4249**.

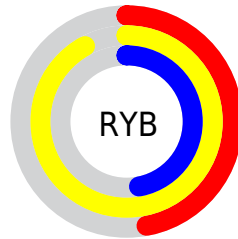
Distribution



Red (92%)

Green (92%)

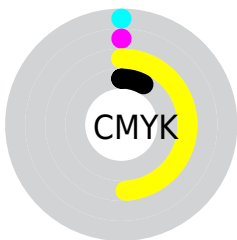
Blue (47%)



Red (47%)

Yellow (92%)

Blue (47%)

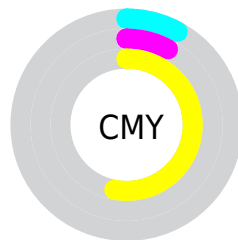


Cyan (0%)

Magenta (0%)

Yellow (49%)

Black (8%)



Cyan (8%)

Magenta (8%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.6941, 0.3843, 0.4473 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 77.6941, 0.3843, 0.4473 by changing the saturation by 10% instead.


 77.6941, 0.3843,
0.4473


 77.6941, 0.3843,
0.4473


487.1273, 0.3542,
0.3934

 57.8227, 0.3901,
0.4589


 130.1188, 0.3747,
0.4291

 41.6661, 0.3966,
0.4728

 163.4409, 0.3707,
0.4218

 28.8400, 0.4038,
0.4894


 202.0154, 0.3671,
0.4155

 18.9598, 0.4112,
0.5094

246.2267, 0.3639,
0.4100

 11.6412, 0.4178,
0.5332

296.4591, 0.3611,
0.4051

 6.4999, 0.4287,
0.5713

353.0971, 0.3586,

 3.1514, 0.4122,

0.4008

0.5878

416.5250, 0.3563,
0.3969

■ 1.2113, 0.3818,
0.6182

■ 0.0709, 0.0000,
1.0000

■ 77.6941, 0.3843,
0.4473

■ 77.6941, 0.3843,
0.4473

■ 77.1940, 0.3961,
0.4668

■ 78.3402, 0.3708,
0.4249

■ 76.8188, 0.4057,
0.4827


■ 79.1308, 0.3561,
0.4007

■ 76.5605, 0.4127,
0.4943


■ 80.0780, 0.3409,
0.3755

■ 76.4051, 0.4171,
0.5015


■ 81.1896, 0.3257,
0.3504

 76.3322, 0.4192,
0.5049

 82.4729, 0.3109,
0.3259

 76.3252, 0.4194,
0.5052

 83.5801, 0.3000,
0.3079

 83.5833, 0.3000,
0.3079

 83.5864, 0.3000,
0.3079

 83.5896, 0.3000,
0.3079

Harmonies

Analogous

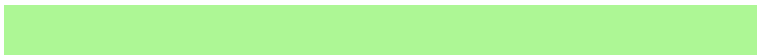
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.6941, 0.4311, 0.4140



77.6941, 0.3843, 0.4473



77.6941, 0.3211, 0.4458

Triad

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



77.6941, 0.3843, 0.4473



77.6941, 0.1954, 0.2699



77.6941, 0.3611, 0.2705

Complementary

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



77.6941, 0.3843, 0.4473



23.3781, 0.2196, 0.1751

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.



77.6941, 0.2926, 0.2388



77.6941, 0.3843, 0.4473



77.6941, 0.2033, 0.2350

Square

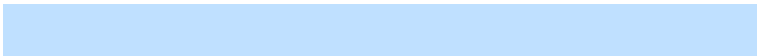
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.6941, 0.3843, 0.4473



77.6941, 0.2142, 0.3299



77.6941, 0.2366, 0.2257



77.6941, 0.4200, 0.3152

Rectangle

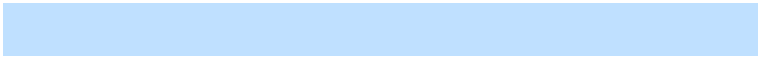
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.6941, 0.3843, 0.4473



77.6941, 0.2784, 0.4192



77.6941, 0.2366, 0.2257



77.6941, 0.3380, 0.2582

Sweetspot

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



77.6977, 0.3843, 0.4473



97.7710, 0.3353, 0.3663



32.3354, 0.4470, 0.3273



20.8680, 0.3385, 0.3717



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.



77.6977, 0.3843, 0.4473



93.8214, 0.3956, 0.4660



69.7903, 0.3433, 0.4661



17.6264, 0.3268, 0.3523



42.8805, 0.4194, 0.5052



3.3674, 0.4194, 0.5052

Inverse Universe

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



23.3781, 0.2196, 0.1751



20.8955, 0.1995, 0.1418



28.5054, 0.2635, 0.1912



14.5495, 0.2980, 0.3046



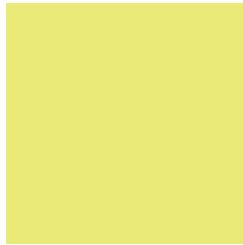
3.3392, 0.1500, 0.0600



0.2624, 0.1500, 0.0601

Previews

White Background



This preview shows how the Yxy color 77.6941, 0.3843, 0.4473 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 77.6941, 0.3843, 0.4473 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

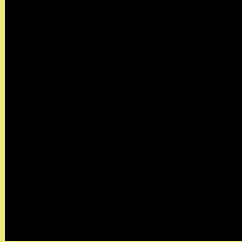
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.6941, 0.3843, 0.4473

Background



This preview shows how black text looks on a background with the Yxy color 77.6941, 0.3843, 0.4473.



This preview shows how white text looks on a background with the Yxy color 77.6941, 0.3843, 0.4473.

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

77.6941, 0.3843, 0.4473

Protanopia

77.4903, 0.4020, 0.4378

Deuteranopia

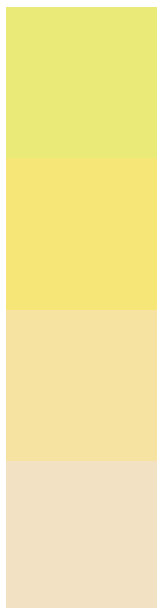
77.5381, 0.3624, 0.3679



Tritanopia

77.6601, 0.3199, 0.3119

Trichromacy



Original Color

77.6941, 0.3843, 0.4473

Protanomaly

77.3380, 0.3951, 0.4411

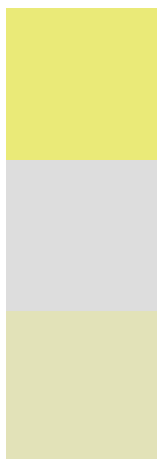
Deuteranomaly

77.2855, 0.3718, 0.3976

Tritanomaly

77.2101, 0.3450, 0.3616

Monochromacy



Original Color

77.6941, 0.3843, 0.4473

Achromatopsia

72.3055, 0.3127, 0.3290

Achromatomaly

74.0222, 0.3406, 0.3751

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.6941, 0.3843, 0.4473 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(234, 234, 120)` looks like.

```
.text, #text, p{  
    color:rgb(234, 234, 120)  
}
```

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(234, 234, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 234, 120) }
```

Border

The CSS property to change the border of an element to Yxy 77.6941, 0.3843, 0.4473 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(234, 234, 120) }
```

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

```
.border{ border-color:rgb(234, 234, 120) }
```

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

Here you see how a box with a 4 pixel rgb(234, 234, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 234, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 234, 120);  
box-shadow:4px 4px 4px 4px rgb(234, 234,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 77.6941, 0.3843, 0.4473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 234, 120) }
```

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

```
.background{ background-color: rgb(234,  
234, 120) }
```

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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