

Converting Colors

$Yxy(78.1087, 0.4099, 0.4460)$

Have a look what the booklet for
Yxy(78.1087, 0.4099, 0.4460)
contains.

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Color

Yxy(78.3602, 0.4097, 0.4465)

Conversions

Conversions Part 1

Format	Color
Hex	FFE56B
RGB	255, 229, 107
RGB Percent	100%, 90%, 42%
CMY	0.0001, 0.1019, 0.5805
CMYK	0.00, 0.10, 0.58, 0.00
HSL	49°, 100%, 71%
HSV	49°, 58%, 100%
XYZ	71.9018, 78.3602, 25.2367
YIQ	222.8660, 54.6580, -32.4300

Conversions

Conversions Part 2

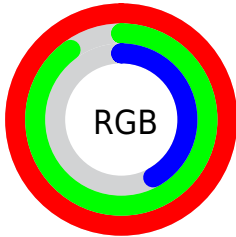
Format	Color
R_{YB}	139, 255, 107
Decimal	16770411
CIE Lab	90.94, -5.38, 61.53
CIE LCh	91, 61.767, 94.996
Yxy	78.3602, 0.4097, 0.4465
Android (android.graphics.Color)	4294960491 (0xFFFFE56B)
YUV	222.8660, -57.1219, 28.1815
Hunter-Lab	88.5213, -9.9248, 45.0618

Details

The Yxy color **78.3602, 0.4097, 0.4465** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **27.0934, 0.2060, 0.1718**, and the grayscale version is **74.0737, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3886, 0.3678, 0.4200**, and **42.1221, 0.4263, 0.4693** is the 20% darker color. If you saturate the color by 10%, you get **75.4622, 0.4246, 0.4608**, and if you desaturate by 10%, it is **81.4874, 0.3932, 0.4289**.

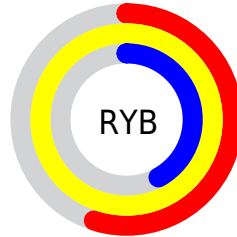
Distribution



Red (100%)

Green (90%)

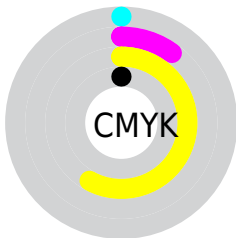
Blue (42%)



Red (55%)

Yellow (100%)

Blue (42%)

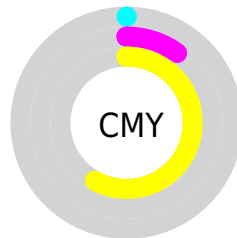


Cyan (0%)

Magenta (10%)

Yellow (58%)

Black (0%)



Cyan (0%)


Magenta (10%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.3602, 0.4097, 0.4465 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 78.3602, 0.4097, 0.4465 by changing the saturation by 10% instead.


 78.3602, 0.4097,
0.4465


 78.3602, 0.4097,
0.4465


489.3892, 0.3686,
0.3952

 58.3699, 0.4177,
0.4568


 131.0578, 0.3965,
0.4297

 42.1061, 0.4266,
0.4688


 164.5338, 0.3910,
0.4229

 29.1844, 0.4366,
0.4824


 203.2740, 0.3862,
0.4168

 19.2204, 0.4471,
0.4977

 247.6626, 0.3819,
0.4115

 11.8296, 0.4577,
0.5147

298.0840, 0.3780,
0.4068

 6.6278, 0.4671,
0.5329

354.9226, 0.3745,

 3.2304, 0.4616,

0.4025

0.5384

418.5629, 0.3714,
0.3987

■ 1.2532, 0.4519,
0.5481

■ 0.1045, 0.0000,
1.0000

■ 78.3602, 0.4097,
0.4465

■ 78.3602, 0.4097,
0.4465

■ 75.4622, 0.4246,
0.4608

■ 81.4874, 0.3932,
0.4289

■ 72.7676, 0.4371,
0.4708

■ 84.8458, 0.3759,
0.4091

■ 70.2625, 0.4468,
0.4762

■ 88.4509, 0.3584,
0.3880

■ 67.9234, 0.4537,
0.4771

■ 92.3136, 0.3413,
0.3665

■ 67.4789, 0.4548,
0.4770

■ 96.4438, 0.3250,
0.3454

99.9929, 0.3127,
0.3290

Harmonies

Analogous

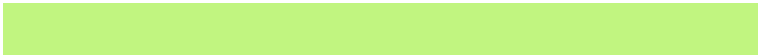
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.3602, 0.4505, 0.4018



78.3602, 0.4097, 0.4465



78.3602, 0.3456, 0.4622

Triad

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



78.3602, 0.4097, 0.4465



78.3602, 0.1908, 0.2845



78.3602, 0.3385, 0.2525

Complementary

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



78.3602, 0.4097, 0.4465



27.0934, 0.2060, 0.1718

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.



78.3602, 0.2673, 0.2252



78.3602, 0.4097, 0.4465



78.3602, 0.1895, 0.2375

Square

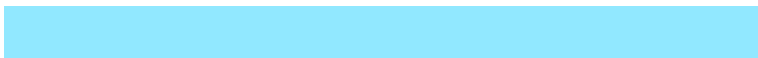
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.3602, 0.4097, 0.4465



78.3602, 0.2204, 0.3565



78.3602, 0.2155, 0.2189



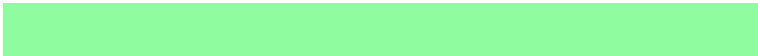
78.3602, 0.4095, 0.2958

Rectangle

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



78.3602, 0.4097, 0.4465



78.3602, 0.2988, 0.4455



78.3602, 0.2155, 0.2189



78.3602, 0.3135, 0.2413

Sweetspot

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



78.3639, 0.4097, 0.4465



92.7628, 0.3396, 0.3643



33.4867, 0.4590, 0.3026



19.6832, 0.3429, 0.3686



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.



78.3639, 0.4097, 0.4465



74.9441, 0.4272, 0.4631



85.9815, 0.3630, 0.4843



20.5170, 0.3274, 0.3485



35.4687, 0.4542, 0.4776



3.5892, 0.4495, 0.4813

Inverse Universe

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



27.0934, 0.2060, 0.1718



19.4580, 0.1849, 0.1362



24.5812, 0.2308, 0.1550



17.8924, 0.2979, 0.3088



4.8897, 0.1543, 0.0755



0.6107, 0.1593, 0.0936

Previews

White Background



This preview shows how the Yxy color 78.3602, 0.4097, 0.4465 looks on a white background.

Color Contrast Check

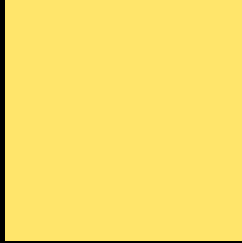
Large Text (above 18pt) WCAG AA × Fail

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 78.3602, 0.4097, 0.4465 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 78.3602, 0.4097, 0.4465

Background



This preview shows how black text looks on a background with the Yxy color 78.3602, 0.4097, 0.4465.



This preview shows how white text looks on a background with the Yxy color 78.3602, 0.4097, 0.4465.

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

78.3602, 0.4097, 0.4465

Protanopia

78.1710, 0.4090, 0.4468

Deuteranopia

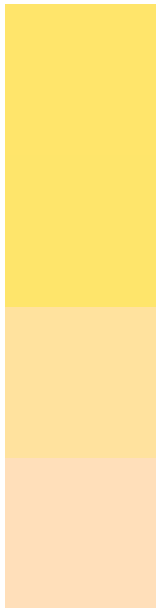
78.1592, 0.3607, 0.3668



Tritanopia

78.2159, 0.3305, 0.3181

Trichromacy



Original Color

78.3602, 0.4097, 0.4465

Protanomaly

78.1710, 0.4090, 0.4468

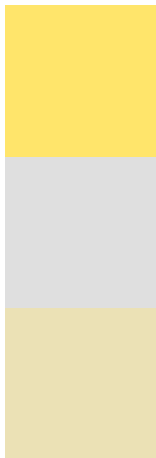
Deuteranomaly

78.1213, 0.3802, 0.3981

Tritanomaly

77.5805, 0.3617, 0.3669

Monochromacy



Original Color

78.3602, 0.4097, 0.4465

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

74.8488, 0.3496, 0.3764

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.3602, 0.4097, 0.4465 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(255, 229, 107)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 107)  
}
```

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(255, 229, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 107) }
```

Border

The CSS property to change the border of an element to Yxy 78.3602, 0.4097, 0.4465 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(255, 229, 107) }
```

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

```
.border{ border-color:rgb(255, 229, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 229, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 107);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 78.3602, 0.4097, 0.4465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 107) }
```

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

```
.background{ background-color: rgb(255,  
229, 107) }
```

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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