

Converting Colors

$Yxy(76.8462, 0.4124, 0.4460)$

Have a look what the booklet for
Yxy(76.8462, 0.4124, 0.4460)
contains.

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Color

Yxy(76.6726, 0.4125, 0.4456)

Conversions

Conversions Part 1

Format	Color
Hex	FFE269
RGB	255, 226, 105
RGB Percent	100%, 89%, 41%
CMY	0.0001, 0.1137, 0.5883
CMYK	0.00, 0.11, 0.59, 0.00
HSL	48°, 100%, 71%
HSV	48°, 59%, 100%
XYZ	70.9772, 76.6726, 24.4162
YIQ	220.8770, 56.1250, -31.4830

Conversions

Conversions Part 2

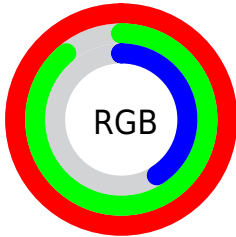
Format	Color
R _Y B	141, 255, 105
Decimal	16769641
CIE Lab	90.17, -4.01, 61.55
CIE LCh	90, 61.676, 93.726
Yxy	76.6726, 0.4125, 0.4456
Android (android.graphics.Color)	4294959721 (0xFFFFE269)
YUV	220.8770, -57.1274, 29.9259
Hunter-Lab	87.5629, -8.5455, 44.7615

Details

The Yxy color **76.6726, 0.4125, 0.4456** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **27.2512, 0.2053, 0.1727**, and the grayscale version is **72.5932, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3181, 0.3689, 0.4219**, and **40.9582, 0.4300, 0.4679** is the 20% darker color. If you saturate the color by 10%, you get **73.5896, 0.4278, 0.4593**, and if you desaturate by 10%, it is **79.9968, 0.3956, 0.4285**.

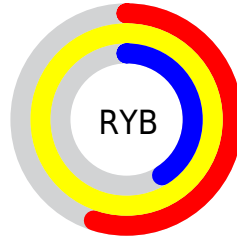
Distribution



Red (100%)

Green (89%)

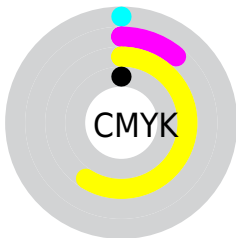
Blue (41%)



Red (55%)

Yellow (100%)

Blue (41%)

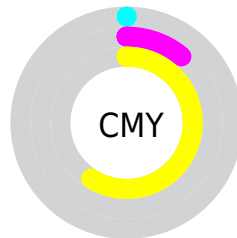


Cyan (0%)

Magenta (11%)

Yellow (59%)

Black (0%)



Cyan (0%)


Magenta (11%)

Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.6726, 0.4125, 0.4456 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 76.6726, 0.4125, 0.4456 by changing the saturation by 10% instead.


 76.6726, 0.4125,
0.4456

 76.6726, 0.4125,
0.4456


483.6470, 0.3699,
0.3948


 56.9842, 0.4208,
0.4558


 128.6772, 0.3988,
0.4290


 40.9926, 0.4302,
0.4675


 161.7622, 0.3931,
0.4222

 28.3133, 0.4405,
0.4809


 200.0816, 0.3881,
0.4162

 18.5619, 0.4516,
0.4957

 244.0196, 0.3837,
0.4109

 11.3542, 0.4632,
0.5124

293.9608, 0.3797,
0.4062

 6.3056, 0.4721,
0.5279

350.2895, 0.3761,

 3.0318, 0.4678,

0.4020

0.5322

413.3901, 0.3728,
0.3982

■ 1.1483, 0.4603,
0.5397

■ 0.0189, 0.0000,
1.0000

■ 76.6726, 0.4125,
0.4456

■ 76.6726, 0.4125,
0.4456

■ 73.5896, 0.4278,
0.4593

■ 79.9968, 0.3956,
0.4285

■ 70.7217, 0.4408,
0.4688

■ 83.5647, 0.3779,
0.4091


■ 68.0548, 0.4509,
0.4736

■ 87.3919, 0.3601,
0.3885

■ 65.5631, 0.4582,
0.4739

■ 91.4896, 0.3428,
0.3674

 65.2786, 0.4590,
0.4738

 95.8679, 0.3263,
0.3467

99.9944, 0.3127,
0.3290

Harmonies

Analogous

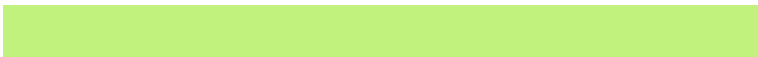
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.6726, 0.4522, 0.3998



76.6726, 0.4125, 0.4456



76.6726, 0.3487, 0.4632

Triad

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



76.6726, 0.4125, 0.4456



76.6726, 0.1908, 0.2868



76.6726, 0.3354, 0.2506

Complementary

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



76.6726, 0.4125, 0.4456



27.2512, 0.2053, 0.1727

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.



76.6726, 0.2643, 0.2240



76.6726, 0.4125, 0.4456



76.6726, 0.1884, 0.2384

Square

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



76.6726, 0.4125, 0.4456



76.6726, 0.2218, 0.3599



76.6726, 0.2133, 0.2187



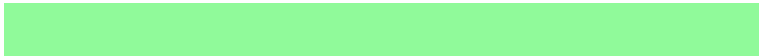
76.6726, 0.4074, 0.2935

Rectangle

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



76.6726, 0.4125, 0.4456



76.6726, 0.3016, 0.4480



76.6726, 0.2133, 0.2187



76.6726, 0.3103, 0.2396

Sweetspot

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



76.6762, 0.4125, 0.4456



91.8651, 0.3414, 0.3657



33.1017, 0.4589, 0.2999



19.4001, 0.3463, 0.3718



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.



76.6762, 0.4125, 0.4456



72.9675, 0.4309, 0.4618



86.2183, 0.3651, 0.4853



20.4596, 0.3274, 0.3480



34.3302, 0.4582, 0.4744



3.4883, 0.4529, 0.4786

Inverse Universe

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



27.2512, 0.2053, 0.1727



19.5894, 0.1842, 0.1371



23.7985, 0.2275, 0.1518



17.9451, 0.2979, 0.3092



5.0906, 0.1551, 0.0782



0.6377, 0.1603, 0.0970

Previews

White Background



This preview shows how the Yxy color 76.6726, 0.4125, 0.4456 looks on a white background.

Color Contrast Check

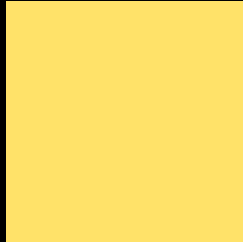
Large Text (above 18pt) WCAG AA × Fail

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 76.6726, 0.4125, 0.4456 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 76.6726, 0.4125, 0.4456

Background



This preview shows how black text looks on a background with the Yxy color 76.6726, 0.4125, 0.4456.



This preview shows how white text looks on a background with the Yxy color 76.6726, 0.4125, 0.4456.

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

76.6726, 0.4125, 0.4456

Protanopia

76.6535, 0.4096, 0.4475

Deuteranopia

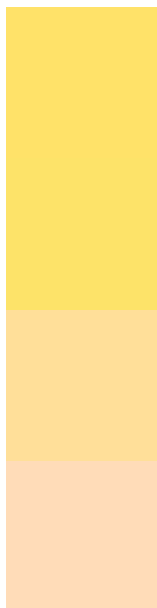
76.7978, 0.3662, 0.3721



Tritanopia

76.5429, 0.3322, 0.3171

Trichromacy



Original Color

76.6726, 0.4125, 0.4456

Protanomaly

76.8407, 0.4104, 0.4471

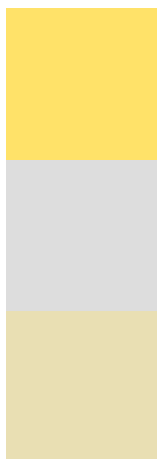
Deuteranomaly

76.3353, 0.3847, 0.4003

Tritanomaly

75.9071, 0.3639, 0.3660

Monochromacy



Original Color

76.6726, 0.4125, 0.4456

Achromatopsia

72.3055, 0.3127, 0.3290

Achromatomaly

73.3537, 0.3499, 0.3768

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.6726, 0.4125, 0.4456 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, 226, 105)` looks like.

```
.text, #text, p{  
    color:rgb(255, 226, 105)  
}
```

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, 226, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 226, 105) }
```

Border

The CSS property to change the border of an element to Yxy 76.6726, 0.4125, 0.4456 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, 226, 105) }
```

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

```
.border{ border-color:rgb(255, 226, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 226, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 226, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 226, 105);  
box-shadow:4px 4px 4px 4px rgb(255, 226,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 76.6726, 0.4125, 0.4456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 226, 105) }
```

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

```
.background{ background-color: rgb(255,  
226, 105) }
```

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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