

Converting Colors

$Y_{xy}(76.9182, 0.4106, 0.4434)$

Have a look what the booklet for
Yxy(76.9182, 0.4106, 0.4434)
contains.

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Color

Yxy(76.7354, 0.4109, 0.4432)

Conversions

Conversions Part 1

Format	Color
Hex	FFE26C
RGB	255, 226, 108
RGB Percent	100%, 89%, 42%
CMY	0.0000, 0.1137, 0.5763
CMYK	0.00, 0.11, 0.58, 0.00
HSL	48°, 100%, 71%
HSV	48°, 58%, 100%
XYZ	71.1430, 76.7354, 25.2610
YIQ	221.2190, 55.1620, -30.5500

Conversions

Conversions Part 2

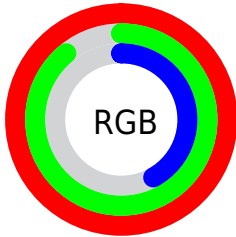
Format	Color
R_{YB}	144, 255, 108
Decimal	16769644
CIE _{Lab}	90.20, -3.78, 60.21
CIE _{LCh}	90, 60.328, 93.592
Yxy	76.7354, 0.4109, 0.4432
Android (android.graphics.Color)	4294959724 (0xFFFFE26C)
YUV	221.2190, -55.8170, 29.6259
Hunter-Lab	87.5987, -8.3297, 44.2215

Details

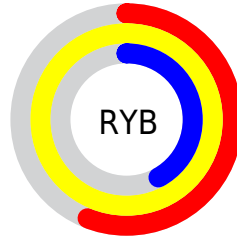
The Yxy color **76.7354, 0.4109, 0.4432** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **28.3107, 0.2077, 0.1771**, and the grayscale version is **72.8436, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.4243, 0.3672, 0.4191**, and **40.9943, 0.4281, 0.4651** is the 20% darker color. If you saturate the color by 10%, you get **73.5773, 0.4266, 0.4573**, and if you desaturate by 10%, it is **80.1398, 0.3937, 0.4259**.

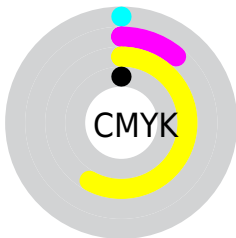
Distribution



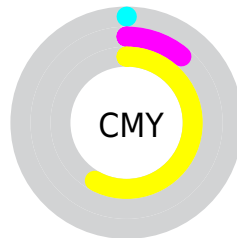
- Red (100%)
- Green (89%)
- Blue (42%)



- Red (56%)
- Yellow (100%)
- Blue (42%)



- Cyan (0%)
- Magenta (11%)
- Yellow (58%)
- Black (0%)




- Cyan (0%)
- Magenta (11%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.7354, 0.4109, 0.4432 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 76.7354, 0.4109, 0.4432 by changing the saturation by 10% instead.


 76.7354, 0.4109,
0.4432

 76.7354, 0.4109,
0.4432

483.8614, 0.3688,
0.3933


 57.0357, 0.4192,
0.4533


 128.7659, 0.3973,
0.4268


 41.0339, 0.4285,
0.4649


 161.8655, 0.3917,
0.4202

 28.3456, 0.4390,
0.4782


 200.2006, 0.3868,
0.4143

 18.5863, 0.4503,
0.4931

 244.1555, 0.3824,
0.4091

 11.3718, 0.4620,
0.5095

294.1146, 0.3784,
0.4045

 6.3175, 0.4730,
0.5270

350.4624, 0.3749,

 3.0391, 0.4689,

0.4004

0.5311

413.5832, 0.3717,
0.3967

■ 1.1522, 0.4618,
0.5382

■ 0.0221, 0.0000,
1.0000

■ 76.7354, 0.4109,
0.4432

■ 76.7354, 0.4109,
0.4432

■ 73.5773, 0.4266,
0.4573

■ 80.1398, 0.3937,
0.4259

■ 70.6396, 0.4400,
0.4673

■ 83.7927, 0.3759,
0.4063


■ 67.9084, 0.4507,
0.4726

■ 87.7098, 0.3581,
0.3857

■ 65.3609, 0.4584,
0.4732

■ 91.9022, 0.3408,
0.3647

 64.7757, 0.4600,
0.4730

 96.3799, 0.3244,
0.3441

99.9985, 0.3127,
0.3290

Harmonies

Analogous

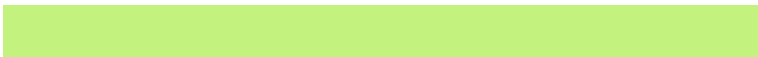
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.7354, 0.4494, 0.3986



76.7354, 0.4109, 0.4432



76.7354, 0.3485, 0.4601

Triad

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



76.7354, 0.4109, 0.4432



76.7354, 0.1932, 0.2882



76.7354, 0.3346, 0.2519

Complementary

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



76.7354, 0.4109, 0.4432



28.3107, 0.2077, 0.1771

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.



76.7354, 0.2651, 0.2258



76.7354, 0.4109, 0.4432



76.7354, 0.1907, 0.2405

Square

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



76.7354, 0.4109, 0.4432



76.7354, 0.2239, 0.3597



76.7354, 0.2151, 0.2208



76.7354, 0.4050, 0.2941

Rectangle

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



76.7354, 0.4109, 0.4432



76.7354, 0.3023, 0.4453



76.7354, 0.2151, 0.2208



76.7354, 0.3101, 0.2411

Sweetspot

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



76.7390, 0.4109, 0.4432



92.1810, 0.3397, 0.3634



33.8121, 0.4542, 0.3002



19.5446, 0.3431, 0.3676



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.



76.7390, 0.4109, 0.4432



73.1662, 0.4286, 0.4590



86.4342, 0.3645, 0.4824



20.4460, 0.3274, 0.3479



34.0640, 0.4592, 0.4736



3.4646, 0.4538, 0.4779

Inverse Universe

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



28.3107, 0.2077, 0.1771



20.8640, 0.1876, 0.1436



24.6423, 0.2296, 0.1555



17.9577, 0.2979, 0.3093



5.1412, 0.1553, 0.0789



0.6444, 0.1605, 0.0979

Previews

White Background



This preview shows how the Yxy color 76.7354, 0.4109, 0.4432 looks on a white background.

Color Contrast Check

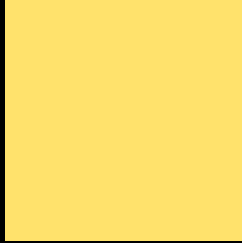
Large Text (above 18pt) WCAG AA × Fail

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 76.7354, 0.4109, 0.4432 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 76.7354, 0.4109, 0.4432

Background



This preview shows how black text looks on a background with the Yxy color 76.7354, 0.4109, 0.4432.

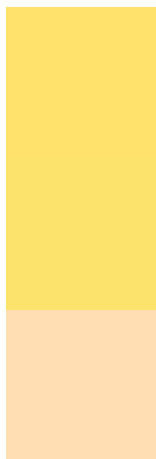


This preview shows how white text looks on a background with the Yxy color 76.7354, 0.4109, 0.4432.

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

76.7354, 0.4109, 0.4432

Protanopia

76.5301, 0.4073, 0.4456

Deuteranopia

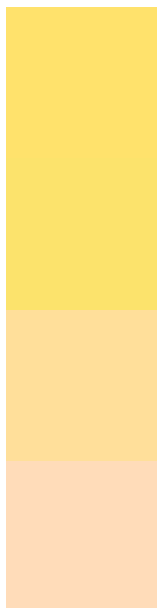
76.7978, 0.3662, 0.3721



Tritanopia

76.5429, 0.3322, 0.3171

Trichromacy



Original Color

76.7354, 0.4109, 0.4432

Protanomaly

76.7163, 0.4081, 0.4452

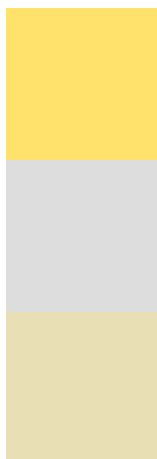
Deuteranomaly

76.3684, 0.3841, 0.3993

Tritanomaly

75.9492, 0.3632, 0.3649

Monochromacy



Original Color

76.7354, 0.4109, 0.4432

Achromatopsia

72.3055, 0.3127, 0.3290

Achromatomaly

73.3943, 0.3492, 0.3757

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.7354, 0.4109, 0.4432 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, 108)` looks like.

```
.text, #text, p{  
    color:rgb(255, 226, 108)  
}
```

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, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 226, 108) }
```

Border

The CSS property to change the border of an element to Yxy 76.7354, 0.4109, 0.4432 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, 108) }
```

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

```
.border{ border-color:rgb(255, 226, 108) }
```

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, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 226, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 226, 108);  
box-shadow:4px 4px 4px 4px rgb(255, 226,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 76.7354, 0.4109, 0.4432 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, 108) }
```

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

```
.background{ background-color: rgb(255,  
226, 108) }
```

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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