

Converting Colors

$Y_{xy}(100.0000, 0.4698, 0.3972)$

Have a look what the booklet for
Yxy(100.0000, 0.4698, 0.3972)
contains.

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Color

Yxy(76.1298, 0.4005, 0.4247)

Conversions

Conversions Part 1

Format	Color
Hex	FFE080
RGB	255, 224, 128
RGB Percent	100%, 88%, 50%
CMY	0.0000, 0.1215, 0.4980
CMYK	0.00, 0.12, 0.50, 0.00
HSL	45°, 100%, 75%
HSV	45°, 50%, 100%
XYZ	71.7918, 76.1298, 31.3339
YIQ	222.3250, 49.2920, -23.2840

Conversions

Conversions Part 2

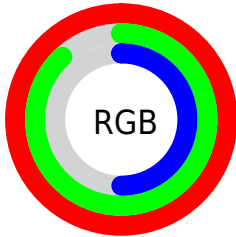
Format	Color
R _Y B	169, 255, 128
Decimal	16769152
CIE Lab	89.92, -1.20, 50.58
CIE LCh	90, 50.591, 91.355
Yxy	76.1298, 0.4005, 0.4247
Android (android.graphics.Color)	4294959232 (0xFFFFE080)
YUV	222.3250, -46.5022, 28.6560
Hunter-Lab	87.2524, -5.8208, 39.7846

Details

The Yxy color **76.1298, 0.4005, 0.4247** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **36.6051, 0.2242, 0.2085**, and the grayscale version is **73.6001, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1574, 0.3561, 0.4008**, and **40.6335, 0.4179, 0.4438** is the 20% darker color. If you saturate the color by 10%, you get **72.2598, 0.4189, 0.4407**, and if you desaturate by 10%, it is **80.2981, 0.3816, 0.4064**.

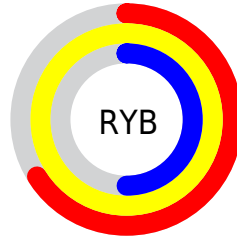
Distribution



Red (100%)

Green (88%)

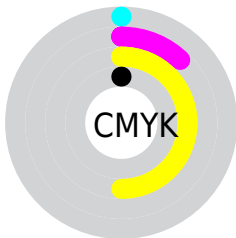
Blue (50%)



Red (66%)

Yellow (100%)

Blue (50%)

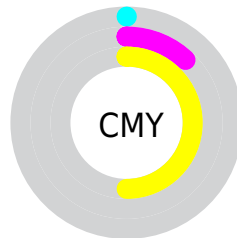


Cyan (0%)

Magenta (12%)

Yellow (50%)

Black (0%)



Cyan (0%)


Magenta (12%)

Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.1298, 0.4005, 0.4247 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 76.1298, 0.4005, 0.4247 by changing the saturation by 10% instead.


 76.1298, 0.4005,
0.4247


 76.1298, 0.4005,
0.4247


481.7919, 0.3618,
0.3823


 56.5389, 0.4085,
0.4336


 127.9104, 0.3877,
0.4106

 40.6352, 0.4179,
0.4440


 160.8689, 0.3825,
0.4049

 28.0341, 0.4289,
0.4563


 199.0521, 0.3780,
0.3999

 18.3514, 0.4417,
0.4707

242.8443, 0.3740,
0.3956

 11.2026, 0.4560,
0.4870

292.6300, 0.3704,
0.3917

 6.2033, 0.4799,
0.5142

348.7936, 0.3672,

 2.9691, 0.4815,

0.3882

0.5185

411.7194, 0.3644,
0.3851

■ 1.1156, 0.4792,
0.5208

■ 0.0000, 0.0000,
0.0000

■ 76.1298, 0.4005,
0.4247

■ 76.1298, 0.4005,
0.4247

■ 72.2598, 0.4189,
0.4407

■ 80.2981, 0.3816,
0.4064

■ 68.6632, 0.4358,
0.4533

■ 84.7667, 0.3629,
0.3869

■ 65.3276, 0.4505,
0.4616

■ 89.5511, 0.3449,
0.3670

■ 62.2339, 0.4623,
0.4650

■ 94.6623, 0.3280,
0.3474

■ 59.3528, 0.4712,
0.4639

99.9997, 0.3127,
0.3290

■ 59.2971, 0.4714,
0.4639

Harmonies

Analogous

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



76.1298, 0.4299, 0.3873



76.1298, 0.4005, 0.4247



76.1298, 0.3489, 0.4386

Triad

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



76.1298, 0.4005, 0.4247



76.1298, 0.2114, 0.2997



76.1298, 0.3271, 0.2605

Complementary

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



76.1298, 0.4005, 0.4247



36.6051, 0.2242, 0.2085

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.



76.1298, 0.2688, 0.2390



76.1298, 0.4005, 0.4247



76.1298, 0.2070, 0.2565

Square

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



76.1298, 0.4005, 0.4247



76.1298, 0.2405, 0.3599



76.1298, 0.2267, 0.2367



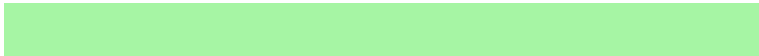
76.1298, 0.3865, 0.2967

Rectangle

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



76.1298, 0.4005, 0.4247



76.1298, 0.3095, 0.4273



76.1298, 0.2267, 0.2367



76.1298, 0.3066, 0.2515

Sweetspot

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



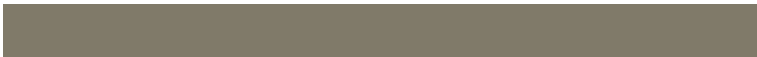
76.1334, 0.4005, 0.4247



91.9649, 0.3366, 0.3575



39.2291, 0.4178, 0.2965



19.4555, 0.3402, 0.3617



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.



76.1334, 0.4005, 0.4247



72.1866, 0.4192, 0.4410



88.8056, 0.3639, 0.4605



20.2954, 0.3275, 0.3469



31.2304, 0.4704, 0.4647



3.2113, 0.4633, 0.4704

Inverse Universe

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



36.6051, 0.2242, 0.2085



28.6083, 0.2053, 0.1790



30.1081, 0.2385, 0.1786



18.0976, 0.2979, 0.3105



5.7796, 0.1576, 0.0873



0.7249, 0.1633, 0.1079

Previews

White Background



This preview shows how the Yxy color 76.1298, 0.4005, 0.4247 looks on a white background.

Color Contrast Check

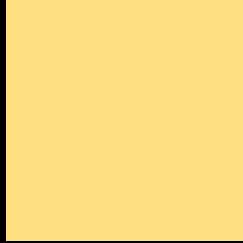
Large Text (above 18pt) WCAG AA × Fail

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 76.1298, 0.4005, 0.4247 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 76.1298, 0.4005, 0.4247

Background



This preview shows how black text looks on a background with the Yxy color 76.1298, 0.4005, 0.4247.



This preview shows how white text looks on a background with the Yxy color 76.1298, 0.4005, 0.4247.

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

76.1298, 0.4005, 0.4247

Protanopia

75.9342, 0.3935, 0.4277

Deuteranopia

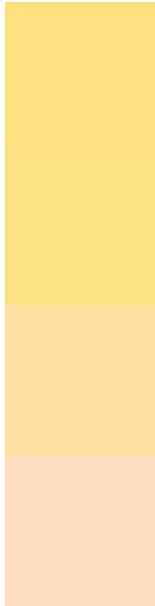
76.3091, 0.3658, 0.3700



Tritanopia

75.9732, 0.3330, 0.3170

Trichromacy



Original Color

76.1298, 0.4005, 0.4247

Protanomaly

75.9446, 0.3963, 0.4259

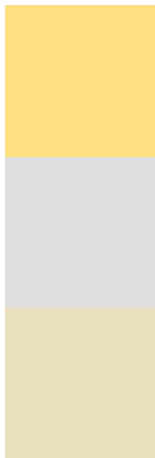
Deuteranomaly

76.1112, 0.3789, 0.3904

Tritanomaly

75.7288, 0.3584, 0.3567

Monochromacy



Original Color

76.1298, 0.4005, 0.4247

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

73.8986, 0.3444, 0.3668

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.1298, 0.4005, 0.4247 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, 224, 128)` looks like.

```
.text, #text, p{  
    color:rgb(255, 224, 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(255, 224, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 224, 128) }
```

Border

The CSS property to change the border of an element to Yxy 76.1298, 0.4005, 0.4247 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, 224, 128) }
```

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

```
.border{ border-color:rgb(255, 224, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 224, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 224, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 224, 128);  
box-shadow:4px 4px 4px 4px rgb(255, 224,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 76.1298, 0.4005, 0.4247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 224, 128) }
```

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

```
.background{ background-color: rgb(255,  
224, 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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