

Converting Colors

$Yxy(81.3425, 0.4066, 0.4506)$

Have a look what the booklet for
Yxy(81.3425, 0.4066, 0.4506)
contains.

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Color

Yxy(81.1672, 0.4069, 0.4504)

Conversions

Conversions Part 1

Format	Color
Hex	FFEA6B
RGB	255, 234, 107
RGB Percent	100%, 92%, 42%
CMY	0.0000, 0.0824, 0.5803
CMYK	0.00, 0.08, 0.58, 0.00
HSL	51°, 100%, 71%
HSV	51°, 58%, 100%
XYZ	73.3280, 81.1672, 25.7162
YIQ	225.8010, 53.2830, -35.0450

Conversions

Conversions Part 2

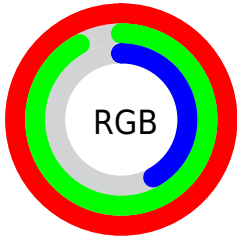
Format	Color
RYB	131, 255, 107
Decimal	16771691
CIELab	92.21, -7.83, 62.94
CIElCh	92, 63.420, 97.089
Yxy	81.1672, 0.4069, 0.4504
Android (android.graphics.Color)	4294961771 (0xFFFFEA6B)
YUV	225.8010, -58.5689, 25.6075
Hunter-Lab	90.0928, -12.3785, 46.1412

Details

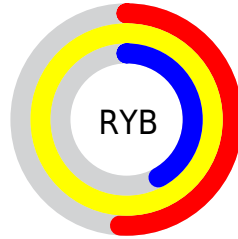
The Yxy color **81.1672, 0.4069, 0.4504** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **25.7920, 0.2047, 0.1658**, and the grayscale version is **76.3022, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3886, 0.3678, 0.4200**, and **44.0902, 0.4219, 0.4740** is the 20% darker color. If you saturate the color by 10%, you get **78.6635, 0.4207, 0.4651**, and if you desaturate by 10%, it is **83.8642, 0.3913, 0.4324**.

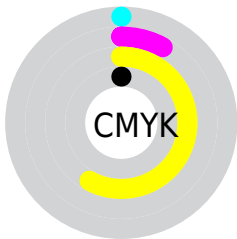
Distribution



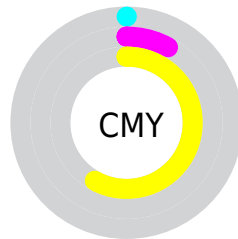
- Red (100%)
- Green (92%)
- Blue (42%)



- Red (51%)
- Yellow (100%)
- Blue (42%)



- Cyan (0%)
- Magenta (8%)
- Yellow (58%)
- Black (0%)





- Cyan (0%)
- Magenta (8%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.1672, 0.4069, 0.4504 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 81.1672, 0.4069, 0.4504 by changing the saturation by 10% instead.

 81.1672, 0.4069,
0.4504


 81.1672, 0.4069,
0.4504

498.8577, 0.3675,
0.3975

 60.6793, 0.4144,
0.4611


 135.0055, 0.3944,
0.4331

 43.9664, 0.4228,
0.4734


 169.1247, 0.3892,
0.4260

 30.6441, 0.4319,
0.4876


 208.5565, 0.3845,
0.4198

 20.3280, 0.4414,
0.5035

 253.6853, 0.3804,
0.4143

 12.6337, 0.4504,
0.5212

304.8954, 0.3766,
0.4094

 7.1768, 0.4586,
0.5414

362.5712, 0.3733,

 3.5729, 0.4509,

0.4050

427.0972, 0.3703,
0.4011

0.5491

1.4376, 0.4377,
0.5623

0.2442, 0.1439,
0.8561

81.1672, 0.4069,
0.4504

81.1672, 0.4069,
0.4504

78.6635, 0.4207,
0.4651

83.8642, 0.3913,
0.4324

76.3491, 0.4320,
0.4756


86.7779, 0.3747,
0.4119


74.2032, 0.4406,
0.4815

89.9163, 0.3578,
0.3902

72.2025, 0.4464,
0.4830

93.2902, 0.3410,
0.3680

 71.8194, 0.4474,
0.4830

 96.9094, 0.3250,
0.3460

100.0000, 0.3127,
0.3290

Harmonies

Analogous

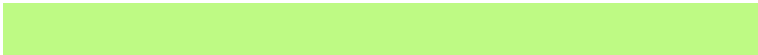
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.1672, 0.4506, 0.4061



81.1672, 0.4069, 0.4504



81.1672, 0.3409, 0.4636

Triad

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



81.1672, 0.4069, 0.4504



81.1672, 0.1882, 0.2794



81.1672, 0.3441, 0.2541

Complementary

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



81.1672, 0.4069, 0.4504



25.7920, 0.2047, 0.1658

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.



81.1672, 0.2711, 0.2252



81.1672, 0.4069, 0.4504



81.1672, 0.1890, 0.2340

Square

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



81.1672, 0.4069, 0.4504



81.1672, 0.2161, 0.3512



81.1672, 0.2170, 0.2172



81.1672, 0.4152, 0.2988

Rectangle

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



81.1672, 0.4069, 0.4504



81.1672, 0.2935, 0.4443



81.1672, 0.2170, 0.2172



81.1672, 0.3187, 0.2424

Sweetspot

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



81.1637, 0.4069, 0.4504



93.6521, 0.3393, 0.3657



33.3701, 0.4653, 0.3076



19.8951, 0.3426, 0.3701



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

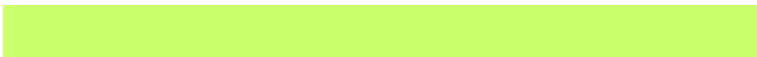
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.1637, 0.4069, 0.4504



78.1938, 0.4231, 0.4675



85.3075, 0.3596, 0.4862



20.6251, 0.3273, 0.3492



37.6959, 0.4468, 0.4834



3.7856, 0.4432, 0.4863

Inverse Universe

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



25.7920, 0.2047, 0.1658



18.2482, 0.1832, 0.1296



25.0911, 0.2346, 0.1567



17.7936, 0.2979, 0.3079



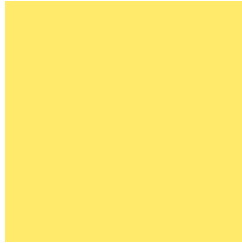
4.5633, 0.1531, 0.0711



0.5638, 0.1576, 0.0874

Previews

White Background



This preview shows how the Yxy color 81.1672, 0.4069, 0.4504 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 81.1672, 0.4069, 0.4504 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 81.1672, 0.4069, 0.4504

Background



This preview shows how black text looks on a background with the Yxy color 81.1672, 0.4069, 0.4504.

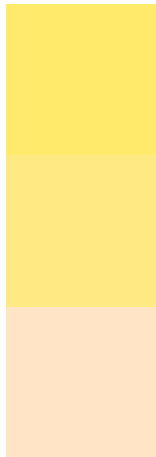


This preview shows how white text looks on a background with the Yxy color 81.1672, 0.4069, 0.4504.

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

81.1672, 0.4069, 0.4504

Protanopia

81.1765, 0.3943, 0.4298

Deuteranopia

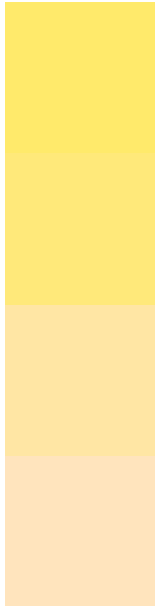
80.7780, 0.3528, 0.3605



Tritanopia

81.1666, 0.3266, 0.3182

Trichromacy



Original Color

81.1672, 0.4069, 0.4504

Protanomaly

80.9430, 0.3995, 0.4376

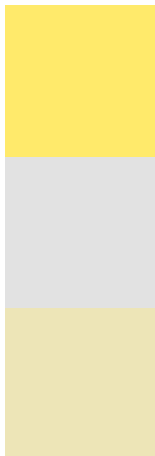
Deuteranomaly

80.5340, 0.3748, 0.3959

Tritanomaly

80.4209, 0.3583, 0.3687

Monochromacy



Original Color

81.1672, 0.4069, 0.4504

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

77.4620, 0.3488, 0.3780

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.1672, 0.4069, 0.4504 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, 234, 107)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 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, 234, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 107) }
```

Border

The CSS property to change the border of an element to Yxy 81.1672, 0.4069, 0.4504 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, 234, 107) }
```

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

```
.border{ border-color:rgb(255, 234, 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, 234, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 107);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 81.1672, 0.4069, 0.4504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 107) }
```

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

```
.background{ background-color: rgb(255,  
234, 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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