

Converting Colors

$Y_{xy}(70.2141, 0.4011, 0.4151)$

Have a look what the booklet for
Yxy(70.2141, 0.4011, 0.4151)
contains.

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Color

Yxy(70.2141, 0.4011, 0.4151)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FBD682 |
| RGB | 251, 214, 130 |
| RGB Percent | 98%, 84%, 51% |
| CMY | 0.0159, 0.1607, 0.4903 |
| CMYK | 0.00, 0.15, 0.48, 0.02 |
| HSL | 42°, 94%, 75% |
| HSV | 42°, 48%, 98% |
| XYZ | 67.8460, 70.2141, 31.0897 |
| YIQ | 215.4870, 49.0160, -18.2800 |

Conversions

Conversions Part 2

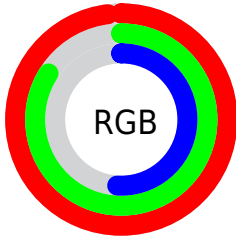
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 183, 251, 130 |
| Decimal | 16504450 |
| CIE Lab | 87.10, 2.45, 46.06 |
| CIE LCh | 87, 46.128, 86.956 |
| Yxy | 70.2141, 0.4011, 0.4151 |
| Android (android.graphics.Color) | 4294694530 (0xFFFBD682) |
| YUV | 215.4870, -42.1451, 31.1449 |
| Hunter-Lab | 83.7939, -2.1118, 36.6575 |

Details

The Yxy color **70.2141, 0.4011, 0.4151** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **39.3122, 0.2291, 0.2228**, and the grayscale version is **68.5674, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2407, 0.3550, 0.3988**, and **36.8981, 0.4197, 0.4339** is the 20% darker color. If you saturate the color by 10%, you get **65.8361, 0.4215, 0.4304**, and if you desaturate by 10%, it is **74.9454, 0.3807, 0.3978**.

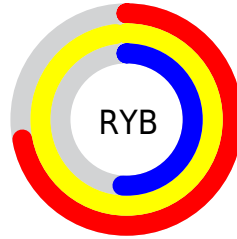
Distribution



Red (98%)

Green (84%)

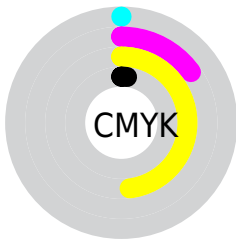
Blue (51%)



Red (72%)

Yellow (98%)

Blue (51%)

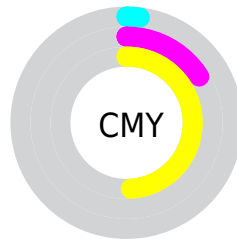


Cyan (0%)

Magenta (15%)

Yellow (48%)

Black (2%)



Cyan (2%)


Magenta (16%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.2141, 0.4011, 0.4151 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 70.2141, 0.4011, 0.4151 by changing the saturation by 10% instead.


 70.2141, 0.4011,
0.4151

 70.2141, 0.4011,
0.4151


461.3014, 0.3611,
0.3766


 51.7011, 0.4097,
0.4232

 119.5140, 0.3876,
0.4022

 36.7669, 0.4199,
0.4329


 151.0697, 0.3822,
0.3970

 25.0270, 0.4322,
0.4442

 187.7418, 0.3775,
0.3925

 16.0972, 0.4468,
0.4576

229.9146, 0.3734,
0.3886

 9.5930, 0.4640,
0.4728

277.9726, 0.3698,
0.3850

 5.1299, 0.4949,
0.5006

332.3001, 0.3666,

 2.3237, 0.5001,

0.3819

0.4999

393.2816, 0.3637,
0.3791

0.7862, 0.5065,
0.4935

0.0000, 0.0000,
0.0000

70.2141, 0.4011,
0.4151

70.2141, 0.4011,
0.4151

65.8361, 0.4215,
0.4304

74.9454, 0.3807,
0.3978

61.7869, 0.4411,
0.4427

80.0334, 0.3610,
0.3795

58.0534, 0.4587,
0.4507

85.4939, 0.3426,
0.3611

54.6167, 0.4736,
0.4538

91.3384, 0.3255,
0.3431

■ 51.4515, 0.4853,
0.4519

■ 97.5481, 0.3103,
0.3264

■ 50.9057, 0.4873,
0.4513

■ 99.2404, 0.3102,
0.3290

Harmonies

Analogous

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



70.2141, 0.4242, 0.3784



70.2141, 0.4011, 0.4151



70.2141, 0.3550, 0.4316

Triad

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



70.2141, 0.4011, 0.4151



70.2141, 0.2199, 0.3096



70.2141, 0.3179, 0.2604

Complementary

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



70.2141, 0.4011, 0.4151



39.3122, 0.2291, 0.2228

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.



70.2141, 0.2646, 0.2425



70.2141, 0.4011, 0.4151



70.2141, 0.2121, 0.2657

Square

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



70.2141, 0.4011, 0.4151



70.2141, 0.2508, 0.3664



70.2141, 0.2275, 0.2434



70.2141, 0.3745, 0.2931

Rectangle

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



70.2141, 0.4011, 0.4151



70.2141, 0.3183, 0.4243



70.2141, 0.2275, 0.2434



70.2141, 0.2989, 0.2526

Sweetspot

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



70.2174, 0.4011, 0.4151



91.1530, 0.3352, 0.3535



39.2997, 0.4032, 0.2889



19.2339, 0.3390, 0.3574



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.



70.2174, 0.4011, 0.4151



68.3430, 0.4212, 0.4302



87.1972, 0.3682, 0.4538



19.2440, 0.3276, 0.3454



27.0387, 0.4859, 0.4524



2.6913, 0.4760, 0.4603

Inverse Universe

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



39.3122, 0.2291, 0.2228



32.8896, 0.2115, 0.1965



29.6144, 0.2355, 0.1818



17.5070, 0.2979, 0.3120



6.6475, 0.1613, 0.1007



0.7942, 0.1678, 0.1239

Previews

White Background



This preview shows how the Yxy color 70.2141, 0.4011, 0.4151 looks on a white background.

Color Contrast Check

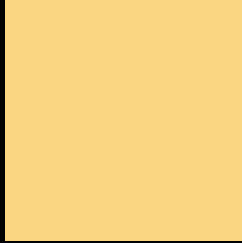
Large Text (above 18pt) WCAG AA × Fail

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 70.2141, 0.4011, 0.4151 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 70.2141, 0.4011, 0.4151

Background



This preview shows how black text looks on a background with the Yxy color 70.2141, 0.4011, 0.4151.



This preview shows how white text looks on a background with the Yxy color 70.2141, 0.4011, 0.4151.

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

70.2141, 0.4011, 0.4151

Protanopia

70.1595, 0.3883, 0.4202

Deuteranopia

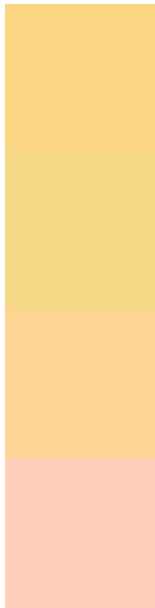
70.2829, 0.3867, 0.3848



Tritanopia

70.0371, 0.3410, 0.3149

Trichromacy



Original Color

70.2141, 0.4011, 0.4151

Protanomaly

70.3191, 0.3926, 0.4192

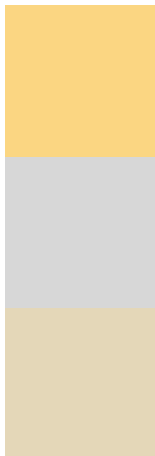
Deuteranomaly

70.2644, 0.3927, 0.3960

Tritanomaly

69.7704, 0.3641, 0.3509

Monochromacy



Original Color

70.2141, 0.4011, 0.4151

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

68.5555, 0.3443, 0.3634

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.2141, 0.4011, 0.4151 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(251, 214, 130)` looks like.

```
.text, #text, p{  
    color:rgb(251, 214, 130)  
}
```

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(251, 214, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 214, 130) }
```

Border

The CSS property to change the border of an element to Yxy 70.2141, 0.4011, 0.4151 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(251, 214, 130) }
```

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

```
.border{ border-color:rgb(251, 214, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 214, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 214, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 214, 130);  
box-shadow:4px 4px 4px 4px rgb(251, 214,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 70.2141, 0.4011, 0.4151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 214, 130) }
```

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

```
.background{ background-color: rgb(251,  
214, 130) }
```

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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