

Converting Colors

$Y_{xy}(80.0131, 0.4562, 0.4241)$

Have a look what the booklet for
Yxy(80.0131, 0.4562, 0.4241)
contains.

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Color

Yxy(70.7427, 0.4231, 0.4418)

Conversions

Conversions Part 1

Format	Color
Hex	FFD762
RGB	255, 215, 98
RGB Percent	100%, 84%, 38%
CMY	0.0000, 0.1569, 0.6158
CMYK	0.00, 0.16, 0.62, 0.00
HSL	45°, 100%, 69%
HSV	45°, 62%, 100%
XYZ	67.7484, 70.7427, 21.6327
YIQ	213.6220, 61.3970, -27.9070

Conversions

Conversions Part 2

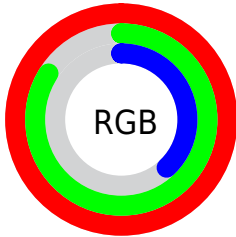
Format	Color
RYB	152, 255, 98
Decimal	16766818
CIELab	87.36, 1.12, 61.50
CIELCh	87, 61.514, 88.954
Yxy	70.7427, 0.4231, 0.4418
Android (android.graphics.Color)	4294956898 (0xFFFFD762)
YUV	213.6220, -57.0016, 36.2885
Hunter-Lab	84.1087, -3.4109, 43.6267

Details

The Yxy color **70.7427, 0.4231, 0.4418** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **27.9853, 0.2030, 0.1766**, and the grayscale version is **67.3353, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0470, 0.3734, 0.4293**, and **37.2663, 0.4430, 0.4626** is the 20% darker color. If you saturate the color by 10%, you get **67.0931, 0.4401, 0.4535**, and if you desaturate by 10%, it is **74.6780, 0.4046, 0.4265**.

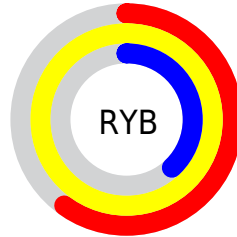
Distribution



Red (100%)

Green (84%)

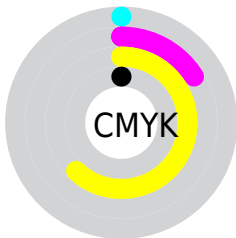
Blue (38%)



Red (60%)

Yellow (100%)

Blue (38%)

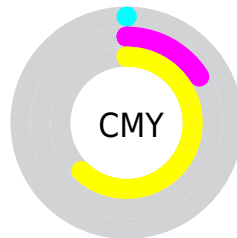


Cyan (0%)

Magenta (16%)

Yellow (62%)

Black (0%)



Cyan (0%)

Magenta (16%)

Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.7427, 0.4231, 0.4418 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 70.7427, 0.4231, 0.4418 by changing the saturation by 10% instead.


 70.7427, 0.4231,
0.4418

 70.7427, 0.4231,
0.4418


463.1535, 0.3750,
0.3929


 52.1322, 0.4326,
0.4514


 120.2673, 0.4074,
0.4260

 37.1105, 0.4435,
0.4623


 151.9502, 0.4010,
0.4195

 25.2931, 0.4557,
0.4743


 188.7594, 0.3954,
0.4137

 16.2955, 0.4687,
0.4871

 231.0793, 0.3903,
0.4086

 9.7335, 0.4858,
0.5037

279.2943, 0.3859,
0.4040

 5.2226, 0.4918,
0.5082

333.7887, 0.3819,

 2.3785, 0.4931,

0.4000

0.5069

394.9469, 0.3783,
0.3963

■ 0.8148, 0.4960,
0.5040

■ 0.0000, 0.0000,
0.0000

■ 70.7427, 0.4231,
0.4418

■ 70.7427, 0.4231,
0.4418

■ 67.0931, 0.4401,
0.4535

■ 74.6780, 0.4046,
0.4265

■ 63.7111, 0.4548,
0.4608

■ 78.9121, 0.3854,
0.4088

■ 60.5773, 0.4664,
0.4631

■ 83.4588, 0.3664,
0.3896

■ 58.1061, 0.4741,
0.4617

■ 88.3302, 0.3481,
0.3700

■ 93.5376, 0.3310,
0.3506

■ 99.0915, 0.3151,
0.3319

■ 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.



70.7427, 0.4584, 0.3924



70.7427, 0.4231, 0.4418



70.7427, 0.3605, 0.4667

Triad

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



70.7427, 0.4231, 0.4418



70.7427, 0.1913, 0.2961



70.7427, 0.3235, 0.2434

Complementary

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



70.7427, 0.4231, 0.4418



27.9853, 0.2030, 0.1766

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.



70.7427, 0.2532, 0.2194



70.7427, 0.4231, 0.4418



70.7427, 0.1844, 0.2421

Square

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



70.7427, 0.4231, 0.4418



70.7427, 0.2274, 0.3735



70.7427, 0.2054, 0.2177



70.7427, 0.3991, 0.2849

Rectangle

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



70.7427, 0.4231, 0.4418



70.7427, 0.3125, 0.4573



70.7427, 0.2054, 0.2177



70.7427, 0.2983, 0.2331

Sweetspot

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



70.7432, 0.4231, 0.4418



90.1541, 0.3418, 0.3630



31.8801, 0.4556, 0.2886



18.9785, 0.3469, 0.3687



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.



70.7432, 0.4231, 0.4418



66.2500, 0.4439, 0.4557



87.3626, 0.3737, 0.4874



20.2612, 0.3275, 0.3466



30.6139, 0.4730, 0.4626



3.1558, 0.4655, 0.4686

Inverse Universe

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



27.9853, 0.2030, 0.1766



20.5064, 0.1831, 0.1423



21.0701, 0.2151, 0.1401



18.1296, 0.2979, 0.3107



5.9456, 0.1582, 0.0894



0.7450, 0.1640, 0.1104

Previews

White Background



This preview shows how the Yxy color 70.7427, 0.4231, 0.4418 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 70.7427, 0.4231, 0.4418 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 70.7427, 0.4231, 0.4418

Background



This preview shows how black text looks on a background with the Yxy color 70.7427, 0.4231, 0.4418.



This preview shows how white text looks on a background with the Yxy color 70.7427, 0.4231, 0.4418.

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

70.7427, 0.4231, 0.4418

Protanopia

70.6186, 0.4106, 0.4492

Deuteranopia

70.6469, 0.3892, 0.3898



Tritanopia

70.4646, 0.3416, 0.3169

Trichromacy



Original Color

70.7427, 0.4231, 0.4418

Protanomaly

70.8178, 0.4144, 0.4468

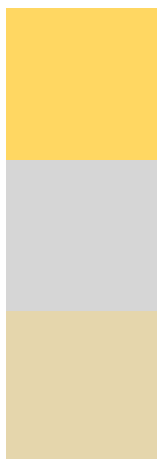
Deuteranomaly

70.5420, 0.4028, 0.4102

Tritanomaly

69.9169, 0.3746, 0.3654

Monochromacy



Original Color

70.7427, 0.4231, 0.4418

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

67.7297, 0.3539, 0.3757

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.7427, 0.4231, 0.4418 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, 215, 98)` looks like.

```
.text, #text, p{  
    color:rgb(255, 215, 98)  
}
```

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, 215, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 215, 98) }
```

Border

The CSS property to change the border of an element to Yxy 70.7427, 0.4231, 0.4418 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, 215, 98) }
```

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

```
.border{ border-color:rgb(255, 215, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 215, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 215, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 215, 98);  
box-shadow:4px 4px 4px 4px rgb(255, 215,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 70.7427, 0.4231, 0.4418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 215, 98) }
```

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

```
.background{ background-color: rgb(255,  
215, 98) }
```

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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