

Converting Colors

$Y_{xy}(70.3353, 0.4305, 0.4184)$

Have a look what the booklet for
Yxy(70.3353, 0.4305, 0.4184)
contains.

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Color

Yxy(67.5640, 0.4187, 0.4236)

Conversions

Conversions Part 1

Format	Color
Hex	FFD071
RGB	255, 208, 113
RGB Percent	100%, 82%, 44%
CMY	0.0000, 0.1843, 0.5567
CMYK	0.00, 0.18, 0.56, 0.00
HSL	40°, 100%, 72%
HSV	40°, 56%, 100%
XYZ	66.7825, 67.5640, 25.1531
YIQ	211.2230, 58.5070, -19.5810

Conversions

Conversions Part 2

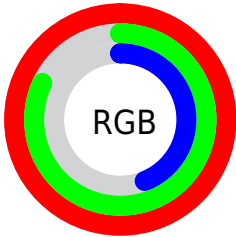
Format	Color
RYB	183, 255, 113
Decimal	16765041
CIELab	85.79, 5.77, 52.78
CIELCh	86, 53.093, 83.766
Yxy	67.5640, 0.4187, 0.4236
Android (android.graphics.Color)	4294955121 (0xFFFFD071)
YUV	211.2230, -48.4239, 38.3924
Hunter-Lab	82.1973, 1.1797, 39.3949

Details

The Yxy color **67.5640, 0.4187, 0.4236** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **35.8864, 0.2166, 0.2076**, and the grayscale version is **65.5951, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5700, 0.3649, 0.4153**, and **35.0502, 0.4402, 0.4420** is the 20% darker color. If you saturate the color by 10%, you get **63.0603, 0.4395, 0.4363**, and if you desaturate by 10%, it is **72.4485, 0.3974, 0.4082**.

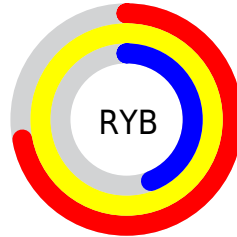
Distribution



Red (100%)

Green (82%)

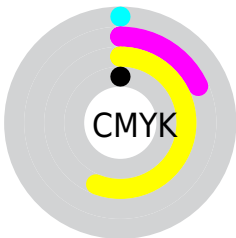
Blue (44%)



Red (72%)

Yellow (100%)

Blue (44%)

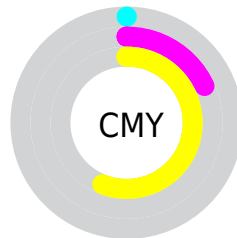


Cyan (0%)

Magenta (18%)

Yellow (56%)

Black (0%)



Cyan (0%)


Magenta (18%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.5640, 0.4187, 0.4236 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 67.5640, 0.4187, 0.4236 by changing the saturation by 10% instead.


 67.5640, 0.4187,
0.4236


 67.5640, 0.4187,
0.4236


451.9497, 0.3709,
0.3822

 49.5431, 0.4288,
0.4320


 115.7282, 0.4027,
0.4100

 35.0505, 0.4406,
0.4416


 146.6403, 0.3963,
0.4045

 23.7018, 0.4546,
0.4525


 182.6182, 0.3907,
0.3996

 15.1125, 0.4707,
0.4644

224.0464, 0.3857,
0.3953

 8.8984, 0.4895,
0.4771

271.3093, 0.3814,
0.3915

 4.6750, 0.5109,
0.4891

324.7912, 0.3775,

 2.0579, 0.5182,

0.3880

0.4818

384.8765, 0.3740,
0.3849

0.6408, 0.5392,
0.4608

0.0000, 0.0000,
0.0000

67.5640, 0.4187,
0.4236

67.5640, 0.4187,
0.4236

63.0603, 0.4395,
0.4363

72.4485, 0.3974,
0.4082

58.9196, 0.4589,
0.4450

77.7289, 0.3765,
0.3911

55.1224, 0.4757,
0.4488

83.4198, 0.3567,
0.3733

51.6451, 0.4893,
0.4474

89.5343, 0.3383,
0.3555

■ 50.2262, 0.4944,
0.4456

■ 96.0851, 0.3215,
0.3384

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.



67.5640, 0.4430, 0.3788



67.5640, 0.4187, 0.4236



67.5640, 0.3669, 0.4485

Triad

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



67.5640, 0.4187, 0.4236



67.5640, 0.2085, 0.3119



67.5640, 0.3111, 0.2475

Complementary

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



67.5640, 0.4187, 0.4236



35.8864, 0.2166, 0.2076

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.



67.5640, 0.2513, 0.2292



67.5640, 0.4187, 0.4236



67.5640, 0.1972, 0.2593

Square

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



67.5640, 0.4187, 0.4236



67.5640, 0.2458, 0.3799



67.5640, 0.2120, 0.2320



67.5640, 0.3779, 0.2828

Rectangle

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



67.5640, 0.4187, 0.4236



67.5640, 0.3248, 0.4443



67.5640, 0.2120, 0.2320



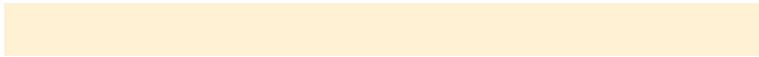
67.5640, 0.2894, 0.2393

Sweetspot

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



67.5642, 0.4187, 0.4236



88.6982, 0.3406, 0.3579



35.6281, 0.4227, 0.2814



18.7172, 0.3443, 0.3614



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.



67.5642, 0.4187, 0.4236



62.4904, 0.4422, 0.4377



89.7584, 0.3765, 0.4706



20.0178, 0.3277, 0.3448



26.5296, 0.4928, 0.4469



2.7836, 0.4823, 0.4552

Inverse Universe

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



35.8864, 0.2166, 0.2076



28.0771, 0.1979, 0.1781



24.3302, 0.2193, 0.1559



18.3601, 0.2979, 0.3126



7.3629, 0.1631, 0.1069



0.9076, 0.1692, 0.1292

Previews

White Background



This preview shows how the Yxy color 67.5640, 0.4187, 0.4236 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 67.5640, 0.4187, 0.4236 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 67.5640, 0.4187, 0.4236

Background



This preview shows how black text looks on a background with the Yxy color 67.5640, 0.4187, 0.4236.



This preview shows how white text looks on a background with the Yxy color 67.5640, 0.4187, 0.4236.

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

67.5640, 0.4187, 0.4236

Protanopia

67.6715, 0.3982, 0.4347

Deuteranopia

67.7497, 0.4016, 0.3988



Tritanopia

67.3220, 0.3472, 0.3168

Trichromacy



Original Color

67.5640, 0.4187, 0.4236

Protanomaly

67.3566, 0.4061, 0.4305

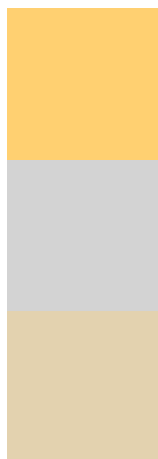
Deuteranomaly

67.4974, 0.4079, 0.4074

Tritanomaly

67.1065, 0.3749, 0.3572

Monochromacy



Original Color

67.5640, 0.4187, 0.4236

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

65.5192, 0.3511, 0.3683

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.5640, 0.4187, 0.4236 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, 208, 113)` looks like.

```
.text, #text, p{  
    color:rgb(255, 208, 113)  
}
```

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, 208, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 208, 113) }
```

Border

The CSS property to change the border of an element to Yxy 67.5640, 0.4187, 0.4236 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, 208, 113) }
```

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

```
.border{ border-color:rgb(255, 208, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 208, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 208, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 208, 113);  
box-shadow:4px 4px 4px 4px rgb(255, 208,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 67.5640, 0.4187, 0.4236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 208, 113) }
```

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

```
.background{ background-color: rgb(255,  
208, 113) }
```

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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