

Converting Colors

$Yxy(67.9864, 0.4212, 0.4289)$

Have a look what the booklet for
Yxy(67.9864, 0.4212, 0.4289)
contains.

Yxy(67.9436, 0.4212, 0.4287)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(67.9436, 0.4212, 0.4287)

Conversions

Conversions Part 1

Format	Color
Hex	FFD16C
RGB	255, 209, 108
RGB Percent	100%, 82%, 42%
CMY	0.0000, 0.1804, 0.5764
CMYK	0.00, 0.18, 0.58, 0.00
HSL	41°, 100%, 71%
HSV	41°, 58%, 100%
XYZ	66.7549, 67.9436, 23.7890
YIQ	211.2400, 59.8370, -21.6590

Conversions

Conversions Part 2

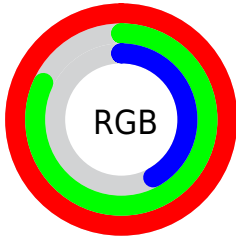
Format	Color
RYB	175, 255, 108
Decimal	16765292
CIELab	85.98, 4.88, 55.37
CIELCh	86, 55.582, 84.959
Yxy	67.9436, 0.4212, 0.4287
Android (android.graphics.Color)	4294955372 (0xFFFFD16C)
YUV	211.2400, -50.8973, 38.3775
Hunter-Lab	82.4279, 0.3109, 40.5882

Details

The Yxy color **67.9436, 0.4212, 0.4287** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **33.5296, 0.2124, 0.1990**, and the grayscale version is **65.6211, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3886, 0.3678, 0.4200**, and **35.3206, 0.4429, 0.4481** is the 20% darker color. If you saturate the color by 10%, you get **63.6573, 0.4411, 0.4410**, and if you desaturate by 10%, it is **72.5821, 0.4005, 0.4134**.

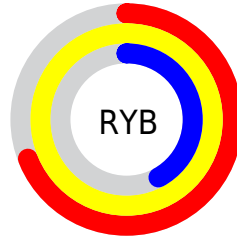
Distribution



Red (100%)

Green (82%)

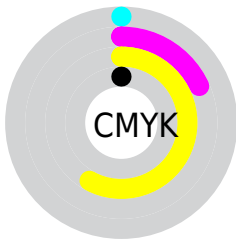
Blue (42%)



Red (69%)

Yellow (100%)

Blue (42%)

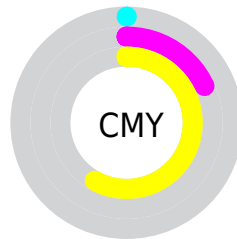


Cyan (0%)

Magenta (18%)

Yellow (58%)

Black (0%)



Cyan (0%)


Magenta (18%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.9436, 0.4212, 0.4287 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 67.9436, 0.4212, 0.4287 by changing the saturation by 10% instead.


 67.9436, 0.4212,
0.4287

 67.9436, 0.4212,
0.4287


453.2962, 0.3726,
0.3852

 49.8519, 0.4313,
0.4374


 116.2715, 0.4050,
0.4145


 35.2957, 0.4430,
0.4473


 147.2764, 0.3985,
0.4087

 23.8907, 0.4567,
0.4585


 183.3544, 0.3928,
0.4036

 15.2526, 0.4722,
0.4705

 224.8901, 0.3878,
0.3990

 8.9969, 0.4909,
0.4841

272.2677, 0.3834,
0.3950

 4.7391, 0.5073,
0.4927

325.8716, 0.3794,

 2.0950, 0.5134,

0.3914

0.4866

386.0863, 0.3758,
0.3881

0.6618, 0.5307,
0.4693

0.0000, 0.0000,
0.0000

67.9436, 0.4212,
0.4287

67.9436, 0.4212,
0.4287

63.6573, 0.4411,
0.4410

72.5821, 0.4005,
0.4134

59.7102, 0.4593,
0.4491

77.5923, 0.3799,
0.3961

56.0812, 0.4747,
0.4523

82.9869, 0.3602,
0.3780

52.7451, 0.4868,
0.4504

88.7788, 0.3417,
0.3598

■ 51.9920, 0.4895,
0.4496

■ 94.9802, 0.3246,
0.3420

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.



67.9436, 0.4483, 0.3822



67.9436, 0.4212, 0.4287



67.9436, 0.3662, 0.4542

Triad

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



67.9436, 0.4212, 0.4287



67.9436, 0.2033, 0.3082



67.9436, 0.3136, 0.2455

Complementary

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



67.9436, 0.4212, 0.4287



33.5296, 0.2124, 0.1990

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.



67.9436, 0.2508, 0.2257



67.9436, 0.4212, 0.4287



67.9436, 0.1929, 0.2544

Square

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



67.9436, 0.4212, 0.4287



67.9436, 0.2408, 0.3795



67.9436, 0.2092, 0.2276



67.9436, 0.3834, 0.2826

Rectangle

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



67.9436, 0.4212, 0.4287



67.9436, 0.3223, 0.4490



67.9436, 0.2092, 0.2276



67.9436, 0.2909, 0.2368

Sweetspot

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



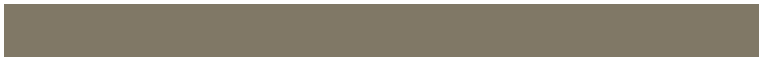
67.9422, 0.4212, 0.4287



89.1621, 0.3405, 0.3586



34.3419, 0.4319, 0.2826



18.8272, 0.3441, 0.3622



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.



67.9422, 0.4212, 0.4287



63.1002, 0.4437, 0.4424



89.1060, 0.3764, 0.4758



20.0752, 0.3277, 0.3453



27.4460, 0.4880, 0.4507



2.8678, 0.4782, 0.4585

Inverse Universe

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



33.5296, 0.2124, 0.1990



25.9685, 0.1938, 0.1688



23.0982, 0.2172, 0.1502



18.3053, 0.2979, 0.3122



6.9898, 0.1618, 0.1024



0.8660, 0.1679, 0.1246

Previews

White Background



This preview shows how the Yxy color 67.9436, 0.4212, 0.4287 looks on a white background.

Color Contrast Check

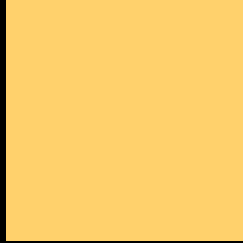
Large Text (above 18pt) WCAG AA × Fail

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 67.9436, 0.4212, 0.4287 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 67.9436, 0.4212, 0.4287

Background



This preview shows how black text looks on a background with the Yxy color 67.9436, 0.4212, 0.4287.



This preview shows how white text looks on a background with the Yxy color 67.9436, 0.4212, 0.4287.

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

67.9436, 0.4212, 0.4287

Protanopia

67.9038, 0.4028, 0.4385

Deuteranopia

67.7791, 0.4008, 0.3979



Tritanopia

67.8374, 0.3463, 0.3168

Trichromacy



Original Color

67.9436, 0.4212, 0.4287

Protanomaly

67.9257, 0.4094, 0.4354

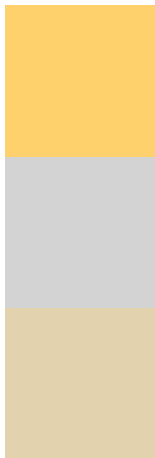
Deuteranomaly

67.9303, 0.4088, 0.4102

Tritanomaly

67.5409, 0.3754, 0.3593

Monochromacy



Original Color

67.9436, 0.4212, 0.4287

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

65.4801, 0.3519, 0.3694

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.9436, 0.4212, 0.4287 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, 209, 108)` looks like.

```
.text, #text, p{  
    color:rgb(255, 209, 108)  
}
```

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, 209, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 209, 108) }
```

Border

The CSS property to change the border of an element to Yxy 67.9436, 0.4212, 0.4287 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, 209, 108) }
```

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

```
.border{ border-color:rgb(255, 209, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 209, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 209, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 209, 108);  
box-shadow:4px 4px 4px 4px rgb(255, 209,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 67.9436, 0.4212, 0.4287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 209, 108) }
```

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

```
.background{ background-color: rgb(255,  
209, 108) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor