

Converting Colors

$Y_{xy}(69.9760, 0.4192, 0.4331)$

Have a look what the booklet for
Yxy(69.9760, 0.4192, 0.4331)
contains.

Yxy(69.9100, 0.4193, 0.4331)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(69.9100, 0.4193, 0.4331)

Conversions

Conversions Part 1

Format	Color
Hex	FFD56B
RGB	255, 213, 107
RGB Percent	100%, 84%, 42%
CMY	0.0001, 0.1647, 0.5805
CMYK	0.00, 0.16, 0.58, 0.00
HSL	43°, 100%, 71%
HSV	43°, 58%, 100%
XYZ	67.6824, 69.9100, 23.8253
YIQ	213.4740, 59.0580, -24.0620

Conversions

Conversions Part 2

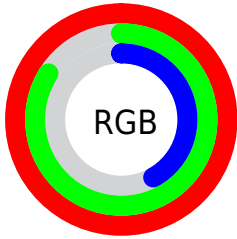
Format	Color
R _Y B	166, 255, 107
Decimal	16766315
CIE Lab	86.95, 2.73, 56.99
CIE LCh	87, 57.051, 87.255
Yxy	69.9100, 0.4193, 0.4331
Android (android.graphics.Color)	4294956395 (0xFFFFD56B)
YUV	213.4740, -52.4917, 36.4183
Hunter-Lab	83.6122, -1.8291, 41.6339

Details

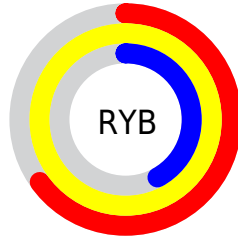
The Yxy color **69.9100, 0.4193, 0.4331** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **31.8162, 0.2105, 0.1922**, and the grayscale version is **67.2015, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3532, 0.3683, 0.4210**, and **36.6647, 0.4395, 0.4531** is the 20% darker color. If you saturate the color by 10%, you get **65.8968, 0.4380, 0.4457**, and if you desaturate by 10%, it is **74.2502, 0.3996, 0.4173**.

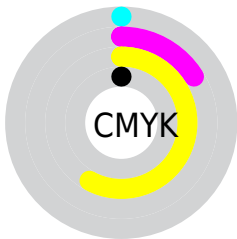
Distribution



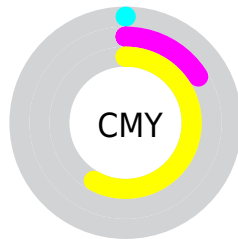
- Red (100%)
- Green (84%)
- Blue (42%)



- Red (65%)
- Yellow (100%)
- Blue (42%)



- Cyan (0%)
- Magenta (16%)
- Yellow (58%)
- Black (0%)





- Cyan (0%)
- Magenta (16%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.9100, 0.4193, 0.4331 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 69.9100, 0.4193, 0.4331 by changing the saturation by 10% instead.

 69.9100, 0.4193,
0.4331

 69.9100, 0.4193,
0.4331

460.2339, 0.3721,
0.3877

 51.4532, 0.4290,
0.4422

 119.0804, 0.4037,
0.4183


 36.5694, 0.4401,
0.4526

 150.5628, 0.3974,
0.4122

 24.8743, 0.4529,
0.4643


 187.1557, 0.3919,
0.4068

 15.9834, 0.4673,
0.4771

 229.2438, 0.3870,
0.4021

 9.5124, 0.4842,
0.4915

277.2112, 0.3826,
0.3979

 5.0769, 0.4983,
0.5017

331.4424, 0.3787,

 2.2924, 0.5016,

0.3941

0.4984

392.3219, 0.3753,
0.3907

0.7697, 0.5091,
0.4909

0.0000, 0.0000,
0.0000

69.9100, 0.4193,
0.4331

69.9100, 0.4193,
0.4331

65.8968, 0.4380,
0.4457

74.2502, 0.3996,
0.4173

62.1842, 0.4548,
0.4542

78.9221, 0.3797,
0.3995

58.7563, 0.4688,
0.4577

83.9423, 0.3604,
0.3808

55.5880, 0.4796,
0.4564

89.3233, 0.3422,
0.3618

■ 54.9945, 0.4816,
0.4558

■ 95.0765, 0.3253,
0.3433

99.9972, 0.3127,
0.3290

Harmonies

Analogous

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



69.9100, 0.4497, 0.3867



69.9100, 0.4193, 0.4331



69.9100, 0.3619, 0.4568

Triad

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



69.9100, 0.4193, 0.4331



69.9100, 0.1999, 0.3026



69.9100, 0.3190, 0.2466

Complementary

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



69.9100, 0.4193, 0.4331



31.8162, 0.2105, 0.1922

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.



69.9100, 0.2540, 0.2251



69.9100, 0.4193, 0.4331



69.9100, 0.1915, 0.2501

Square

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



69.9100, 0.4193, 0.4331



69.9100, 0.2358, 0.3747



69.9100, 0.2100, 0.2251



69.9100, 0.3896, 0.2853

Rectangle

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



69.9100, 0.4193, 0.4331



69.9100, 0.3171, 0.4492



69.9100, 0.2100, 0.2251



69.9100, 0.2957, 0.2373

Sweetspot

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



69.9133, 0.4193, 0.4331



89.9225, 0.3403, 0.3598



34.0110, 0.4365, 0.2849



19.0077, 0.3438, 0.3636



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.



69.9133, 0.4193, 0.4331



65.1588, 0.4415, 0.4477



88.6401, 0.3750, 0.4777



20.1690, 0.3276, 0.3460



29.0064, 0.4803, 0.4568



3.0102, 0.4717, 0.4637

Inverse Universe

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



31.8162, 0.2105, 0.1922



23.9850, 0.1907, 0.1595



23.0082, 0.2181, 0.1496



18.2163, 0.2979, 0.3115



6.4322, 0.1599, 0.0956



0.8024, 0.1659, 0.1172

Previews

White Background



This preview shows how the Yxy color 69.9100, 0.4193, 0.4331 looks on a white background.

Color Contrast Check

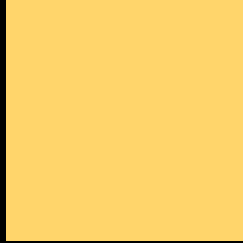
Large Text (above 18pt) WCAG AA × Fail

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 69.9100, 0.4193, 0.4331 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 69.9100, 0.4193, 0.4331

Background



This preview shows how black text looks on a background with the Yxy color 69.9100, 0.4193, 0.4331.



This preview shows how white text looks on a background with the Yxy color 69.9100, 0.4193, 0.4331.

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

69.9100, 0.4193, 0.4331

Protanopia

69.9477, 0.4041, 0.4409

Deuteranopia

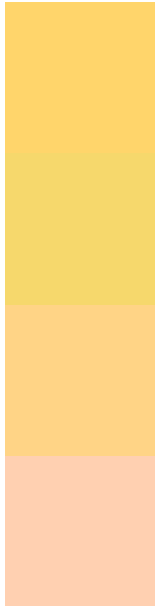
70.0505, 0.3918, 0.3918



Tritanopia

69.9324, 0.3425, 0.3169

Trichromacy



Original Color

69.9100, 0.4193, 0.4331

Protanomaly

69.7873, 0.4098, 0.4382

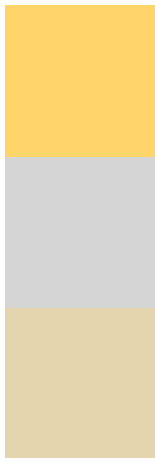
Deuteranomaly

70.0682, 0.4026, 0.4083

Tritanomaly

69.5461, 0.3726, 0.3612

Monochromacy



Original Color

69.9100, 0.4193, 0.4331

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

67.1385, 0.3519, 0.3725

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.9100, 0.4193, 0.4331 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, 213, 107)` looks like.

```
.text, #text, p{  
    color:rgb(255, 213, 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, 213, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 213, 107) }
```

Border

The CSS property to change the border of an element to Yxy 69.9100, 0.4193, 0.4331 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, 213, 107) }
```

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

```
.border{ border-color:rgb(255, 213, 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, 213, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 213, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 213, 107);  
box-shadow:4px 4px 4px 4px rgb(255, 213,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 69.9100, 0.4193, 0.4331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 213, 107) }
```

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

```
.background{ background-color: rgb(255,  
213, 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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