

Converting Colors

$Yxy(63.7252, 0.4282, 0.4228)$

Have a look what the booklet for
Yxy(63.7252, 0.4282, 0.4228)
contains.

Yxy(63.6092, 0.4282, 0.4223)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(63.6092, 0.4282, 0.4223)

Conversions

Conversions Part 1

Format	Color
Hex	FFC86A
RGB	255, 200, 106
RGB Percent	100%, 78%, 42%
CMY	0.0000, 0.2157, 0.5842
CMYK	0.00, 0.22, 0.58, 0.00
HSL	38°, 100%, 71%
HSV	38°, 58%, 100%
XYZ	64.4979, 63.6092, 22.5185
YIQ	205.7290, 62.9540, -17.5740

Conversions

Conversions Part 2

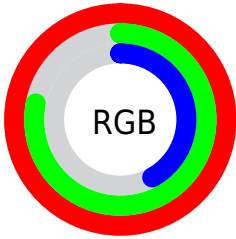
Format	Color
RYB	193, 255, 106
Decimal	16762986
CIELab	83.76, 9.37, 53.73
CIELCh	84, 54.540, 80.107
Yxy	63.6092, 0.4282, 0.4223
Android (android.graphics.Color)	4294953066 (0xFFFFC86A)
YUV	205.7290, -49.1664, 43.2107
Hunter-Lab	79.7554, 4.7804, 39.0885

Details

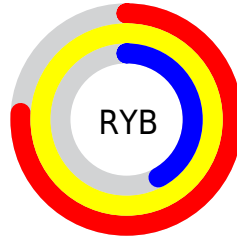
The Yxy color **63.6092, 0.4282, 0.4223** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **35.7803, 0.2135, 0.2079**, and the grayscale version is **61.8314, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3181, 0.3689, 0.4219**, and **32.4262, 0.4529, 0.4390** is the 20% darker color. If you saturate the color by 10%, you get **58.9302, 0.4503, 0.4333**, and if you desaturate by 10%, it is **68.7188, 0.4056, 0.4083**.

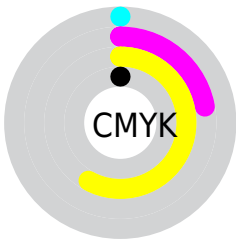
Distribution



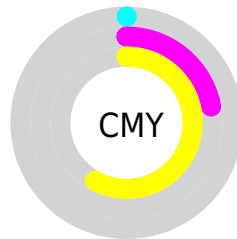
- Red (100%)
- Green (78%)
- Blue (42%)



- Red (76%)
- Yellow (100%)
- Blue (42%)



- Cyan (0%)
- Magenta (22%)
- Yellow (58%)
- Black (0%)





- Cyan (0%)
- Magenta (22%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.6092, 0.4282, 0.4223 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 63.6092, 0.4282, 0.4223 by changing the saturation by 10% instead.


 63.6092, 0.4282,
0.4223


 63.6092, 0.4282,
0.4223


437.7770, 0.3755,
0.3818


 46.3342, 0.4394,
0.4303


 110.0479, 0.4105,
0.4092


 32.5096, 0.4526,
0.4392


 139.9805, 0.4034,
0.4038

 21.7511, 0.4680,
0.4491


 174.9010, 0.3972,
0.3990

 13.6741, 0.4859,
0.4593

 215.1939, 0.3918,
0.3948

 7.8944, 0.5096,
0.4716

261.2435, 0.3870,
0.3910

 4.0274, 0.5272,
0.4728

313.4343, 0.3827,

 1.6889, 0.5401,

0.3876

0.4599

372.1507, 0.3789,
0.3846

■ 0.4165, 0.6000,
0.4000

■ 0.0000, 0.0000,
0.0000

■ 63.6092, 0.4282,
0.4223

■ 63.6092, 0.4282,
0.4223

■ 58.9302, 0.4503,
0.4333

■ 68.7188, 0.4056,
0.4083

■ 54.6560, 0.4708,
0.4400

■ 74.2696, 0.3836,
0.3923

■ 50.7667, 0.4886,
0.4415

■ 80.2800, 0.3628,
0.3755

■ 47.2333, 0.5030,
0.4379

■ 86.7646, 0.3435,
0.3586

46.7034, 0.5051,
0.4372

93.7375, 0.3260,
0.3422

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.



63.6092, 0.4495, 0.3740



63.6092, 0.4282, 0.4223



63.6092, 0.3765, 0.4528

Triad

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



63.6092, 0.4282, 0.4223



63.6092, 0.2073, 0.3190



63.6092, 0.3024, 0.2408

Complementary

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



63.6092, 0.4282, 0.4223



35.7803, 0.2135, 0.2079

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.



63.6092, 0.2422, 0.2242



63.6092, 0.4282, 0.4223



63.6092, 0.1924, 0.2611

Square

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



63.6092, 0.4282, 0.4223



63.6092, 0.2490, 0.3910



63.6092, 0.2045, 0.2298



63.6092, 0.3728, 0.2755

Rectangle

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



63.6092, 0.4282, 0.4223



63.6092, 0.3331, 0.4526



63.6092, 0.2045, 0.2298



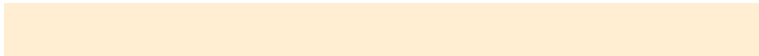
63.6092, 0.2803, 0.2330

Sweetspot

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



63.6114, 0.4282, 0.4223



87.0502, 0.3427, 0.3579



34.2209, 0.4216, 0.2721



18.2165, 0.3481, 0.3628



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.



63.6114, 0.4282, 0.4223



58.2301, 0.4537, 0.4346



90.6722, 0.3839, 0.4736



19.8973, 0.3278, 0.3440



24.6988, 0.5033, 0.4386



2.6139, 0.4912, 0.4482

Inverse Universe

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



35.7803, 0.2135, 0.2079



28.2402, 0.1956, 0.1793



21.7725, 0.2090, 0.1448



18.4759, 0.2979, 0.3136



8.2283, 0.1659, 0.1171



1.0015, 0.1721, 0.1395

Previews

White Background



This preview shows how the Yxy color 63.6092, 0.4282, 0.4223 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 63.6092, 0.4282, 0.4223 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 63.6092, 0.4282, 0.4223

Background



This preview shows how black text looks on a background with the Yxy color 63.6092, 0.4282, 0.4223.



This preview shows how white text looks on a background with the Yxy color 63.6092, 0.4282, 0.4223.

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

63.6092, 0.4282, 0.4223

Protanopia

63.6940, 0.4011, 0.4366

Deuteranopia

63.7835, 0.4229, 0.4155



Tritanopia

63.3189, 0.3551, 0.3167

Trichromacy



Original Color

63.6092, 0.4282, 0.4223

Protanomaly

63.7506, 0.4109, 0.4315

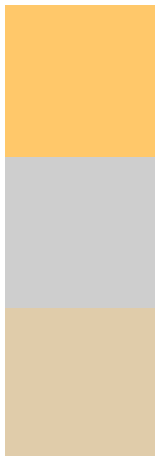
Deuteranomaly

63.7163, 0.4249, 0.4181

Tritanomaly

63.1174, 0.3841, 0.3574

Monochromacy



Original Color

63.6092, 0.4282, 0.4223

Achromatopsia

61.7207, 0.3127, 0.3290

Achromatomaly

61.9353, 0.3539, 0.3679

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.6092, 0.4282, 0.4223 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, 200, 106)` looks like.

```
.text, #text, p{  
    color:rgb(255, 200, 106)  
}
```

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, 200, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 200, 106) }
```

Border

The CSS property to change the border of an element to Yxy 63.6092, 0.4282, 0.4223 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, 200, 106) }
```

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

```
.border{ border-color:rgb(255, 200, 106) }
```

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

Here you see how a box with a 4 pixel rgb(255, 200, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 200, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 200, 106);  
box-shadow:4px 4px 4px 4px rgb(255, 200,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 63.6092, 0.4282, 0.4223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 200, 106) }
```

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

```
.background{ background-color: rgb(255,  
200, 106) }
```

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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