

Converting Colors

$Yxy(82.9670, 0.4905, 0.3888)$

Have a look what the booklet for
Yxy(82.9670, 0.4905, 0.3888)
contains.

Yxy(61.9097, 0.4268, 0.4135)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(61.9097, 0.4268, 0.4135)

Conversions

Conversions Part 1

Format	Color
Hex	FFC470
RGB	255, 196, 112
RGB Percent	100%, 77%, 44%
CMY	0.0001, 0.2313, 0.5608
CMYK	0.00, 0.23, 0.56, 0.00
HSL	35°, 100%, 72%
HSV	35°, 56%, 100%
XYZ	63.9010, 61.9097, 23.9105
YIQ	204.0650, 62.1280, -13.6160

Conversions

Conversions Part 2

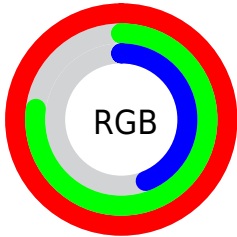
Format	Color
R _Y B	212, 255, 112
Decimal	16761968
CIE Lab	82.87, 11.88, 49.79
CIE LCh	83, 51.191, 76.586
Yxy	61.9097, 0.4268, 0.4135
Android (android.graphics.Color)	4294952048 (0xFFFFC470)
YUV	204.0650, -45.3880, 44.6700
Hunter-Lab	78.6827, 7.2713, 37.0606

Details

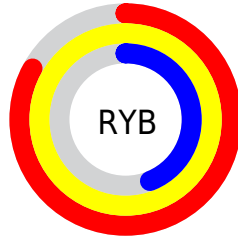
The Yxy color **61.9097, 0.4268, 0.4135** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **39.7803, 0.2192, 0.2219**, and the grayscale version is **60.6911, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2272, 0.3667, 0.4155**, and **31.2850, 0.4522, 0.4284** is the 20% darker color. If you saturate the color by 10%, you get **56.8430, 0.4509, 0.4244**, and if you desaturate by 10%, it is **67.4758, 0.4029, 0.3998**.

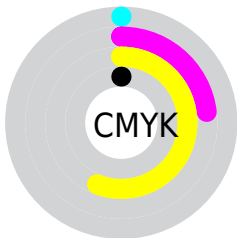
Distribution



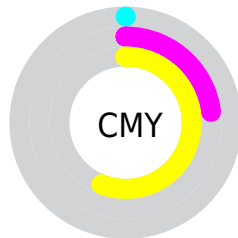
- Red (100%)
- Green (77%)
- Blue (44%)



- Red (83%)
- Yellow (100%)
- Blue (44%)



- Cyan (0%)
- Magenta (23%)
- Yellow (56%)
- Black (0%)




- Cyan (0%)
- Magenta (23%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.9097, 0.4268, 0.4135 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 61.9097, 0.4268, 0.4135 by changing the saturation by 10% instead.


 61.9097, 0.4268,
0.4135


 61.9097, 0.4268,
0.4135


431.6016, 0.3740,
0.3767

 44.9597, 0.4383,
0.4208


 107.5950, 0.4088,
0.4015

 31.4257, 0.4520,
0.4290


 137.0992, 0.4017,
0.3966

 20.9232, 0.4685,
0.4382


 171.5568, 0.3955,
0.3923

 13.0679, 0.4880,
0.4476

211.3524, 0.3901,
0.3885

 7.4753, 0.5129,
0.4577

256.8702, 0.3853,
0.3850

 3.7611, 0.5386,
0.4614

308.4948, 0.3811,

 1.5408, 0.5554,

0.3820

0.4446

366.6105, 0.3773,
0.3792

0.3172, 0.6509,
0.3491

0.0000, 0.0000,
0.0000

61.9097, 0.4268,
0.4135

61.9097, 0.4268,
0.4135

56.8430, 0.4509,
0.4244

67.4758, 0.4029,
0.3998

52.2460, 0.4739,
0.4313

73.5512, 0.3800,
0.3846

48.0983, 0.4945,
0.4332

80.1564, 0.3588,
0.3688

44.3723, 0.5116,
0.4296

87.3078, 0.3395,
0.3530

■ 43.0120, 0.5176,
0.4272

■ 95.0210, 0.3223,
0.3378

99.9975, 0.3127,
0.3290

Harmonies

Analogous

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



61.9097, 0.4423, 0.3668



61.9097, 0.4268, 0.4135



61.9097, 0.3806, 0.4446

Triad

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



61.9097, 0.4268, 0.4135



61.9097, 0.2158, 0.3276



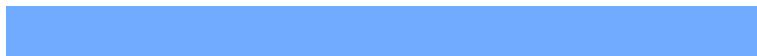
61.9097, 0.2956, 0.2419

Complementary

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



61.9097, 0.4268, 0.4135



39.7803, 0.2192, 0.2219

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.



61.9097, 0.2403, 0.2285



61.9097, 0.4268, 0.4135



61.9097, 0.1983, 0.2701

Square

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



61.9097, 0.4268, 0.4135



61.9097, 0.2586, 0.3950



61.9097, 0.2068, 0.2368



61.9097, 0.3621, 0.2735

Rectangle

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



61.9097, 0.4268, 0.4135



61.9097, 0.3401, 0.4471



61.9097, 0.2068, 0.2368



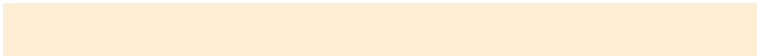
61.9097, 0.2751, 0.2352

Sweetspot

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



61.9127, 0.4268, 0.4135



86.6339, 0.3412, 0.3545



35.8083, 0.4090, 0.2690



18.2283, 0.3450, 0.3576



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.



61.9127, 0.4268, 0.4135



56.4053, 0.4531, 0.4252



91.7488, 0.3851, 0.4670



19.7610, 0.3279, 0.3430



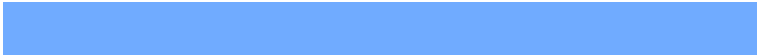
22.7788, 0.5155, 0.4288



2.4333, 0.5016, 0.4400

Inverse Universe

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



39.7803, 0.2192, 0.2219



32.4271, 0.2024, 0.1966



23.0864, 0.2106, 0.1513



18.6083, 0.2979, 0.3146



9.3474, 0.1693, 0.1295



1.1192, 0.1755, 0.1518

Previews

White Background



This preview shows how the Yxy color 61.9097, 0.4268, 0.4135 looks on a white background.

Color Contrast Check

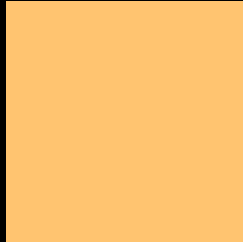
Large Text (above 18pt) WCAG AA × Fail

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 61.9097, 0.4268, 0.4135 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 61.9097, 0.4268, 0.4135

Background



This preview shows how black text looks on a background with the Yxy color 61.9097, 0.4268, 0.4135.



This preview shows how white text looks on a background with the Yxy color 61.9097, 0.4268, 0.4135.

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

61.9097, 0.4268, 0.4135

Protanopia

62.2175, 0.3944, 0.4294

Deuteranopia

61.9850, 0.4245, 0.4151



Tritanopia

61.8722, 0.3582, 0.3167

Trichromacy



Original Color

61.9097, 0.4268, 0.4135

Protanomaly

61.9542, 0.4056, 0.4232

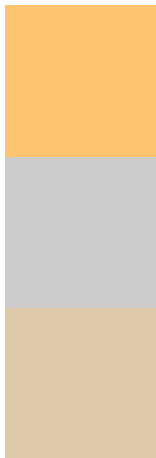
Deuteranomaly

62.1732, 0.4254, 0.4147

Tritanomaly

61.8238, 0.3843, 0.3533

Monochromacy



Original Color

61.9097, 0.4268, 0.4135

Achromatopsia

60.3827, 0.3127, 0.3290

Achromatomaly

60.4015, 0.3531, 0.3635

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.9097, 0.4268, 0.4135 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, 196, 112)` looks like.

```
.text, #text, p{  
    color:rgb(255, 196, 112)  
}
```

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, 196, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 196, 112) }
```

Border

The CSS property to change the border of an element to Yxy 61.9097, 0.4268, 0.4135 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, 196, 112) }
```

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

```
.border{ border-color:rgb(255, 196, 112) }
```

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

Here you see how a box with a 4 pixel rgb(255, 196, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 196, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 196, 112);  
box-shadow:4px 4px 4px 4px rgb(255, 196,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 61.9097, 0.4268, 0.4135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 196, 112) }
```

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

```
.background{ background-color: rgb(255,  
196, 112) }
```

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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