

Converting Colors

$Y_{xy}(73.1060, 0.4545, 0.4024)$

Have a look what the booklet for
Yxy(73.1060, 0.4545, 0.4024)
contains.

Yxy(64.2711, 0.4217, 0.4155)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(64.2711, 0.4217, 0.4155)

Conversions

Conversions Part 1

Format	Color
Hex	FFC973
RGB	255, 201, 115
RGB Percent	100%, 79%, 45%
CMY	0.0000, 0.2118, 0.5491
CMYK	0.00, 0.21, 0.55, 0.00
HSL	37°, 100%, 73%
HSV	37°, 55%, 100%
XYZ	65.2301, 64.2711, 25.1825
YIQ	207.3420, 59.7900, -15.2980

Conversions

Conversions Part 2

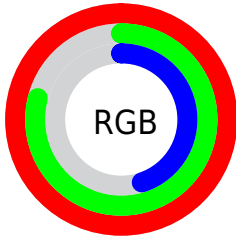
Format	Color
R_{YB}	203, 255, 115
Decimal	16763251
CIE _{Lab}	84.11, 9.54, 49.83
CIE _{LCh}	84, 50.737, 79.161
Yxy	64.2711, 0.4217, 0.4155
Android (android.graphics.Color)	4294953331 (0xFFFFC973)
YUV	207.3420, -45.5246, 41.7961
Hunter-Lab	80.1693, 4.9413, 37.4945

Details

The Yxy color **64.2711, 0.4217, 0.4155** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **39.2376, 0.2200, 0.2196**, and the grayscale version is **62.8948, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6446, 0.3638, 0.4134**, and **32.8397, 0.4450, 0.4315** is the 20% darker color. If you saturate the color by 10%, you get **59.3196, 0.4447, 0.4274**, and if you desaturate by 10%, it is **69.6715, 0.3987, 0.4010**.

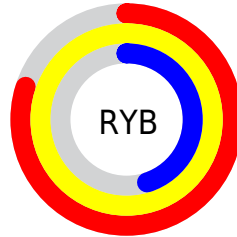
Distribution



Red (100%)

Green (79%)

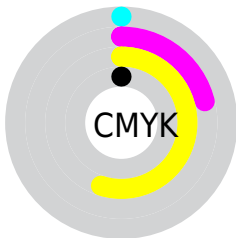
Blue (45%)



Red (80%)

Yellow (100%)

Blue (45%)

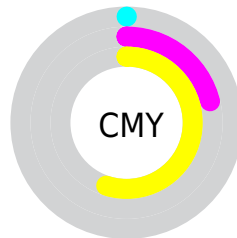


Cyan (0%)

Magenta (21%)

Yellow (55%)

Black (0%)



Cyan (0%)


Magenta (21%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.2711, 0.4217, 0.4155 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 64.2711, 0.4217, 0.4155 by changing the saturation by 10% instead.


 64.2711, 0.4217,
0.4155


 64.2711, 0.4217,
0.4155


440.1680, 0.3716,
0.3777


 46.8703, 0.4325,
0.4231


 111.0013, 0.4047,
0.4031

 32.9331, 0.4454,
0.4318


 141.0994, 0.3980,
0.3980

 22.0752, 0.4608,
0.4416


 176.1988, 0.3921,
0.3936

 13.9122, 0.4790,
0.4521

216.6838, 0.3870,
0.3897

 8.0596, 0.5010,
0.4630

262.9388, 0.3825,
0.3862

 4.1331, 0.5276,
0.4724

315.3483, 0.3784,

 1.7483, 0.5404,

0.3830

0.4596

374.2965, 0.3749,
0.3802

0.4546, 0.5940,
0.4060

0.0000, 0.0000,
0.0000

64.2711, 0.4217,
0.4155

64.2711, 0.4217,
0.4155

59.3196, 0.4447,
0.4274

69.6715, 0.3987,
0.4010

54.8084, 0.4667,
0.4354

75.5490, 0.3766,
0.3851

50.7125, 0.4863,
0.4384

81.9161, 0.3560,
0.3686

47.0061, 0.5026,
0.4361

88.7880, 0.3373,
0.3522

■ 45.2521, 0.5098,
0.4334

■ 96.1791, 0.3203,
0.3364

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.



64.2711, 0.4398, 0.3705



64.2711, 0.4217, 0.4155



64.2711, 0.3746, 0.4435

Triad

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



64.2711, 0.4217, 0.4155



64.2711, 0.2152, 0.3223



64.2711, 0.3014, 0.2455

Complementary

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



64.2711, 0.4217, 0.4155



39.2376, 0.2200, 0.2196

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.



64.2711, 0.2456, 0.2306



64.2711, 0.4217, 0.4155



64.2711, 0.2001, 0.2676

Square

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



64.2711, 0.4217, 0.4155



64.2711, 0.2554, 0.3882



64.2711, 0.2107, 0.2370



64.2711, 0.3666, 0.2779

Rectangle

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



64.2711, 0.4217, 0.4155



64.2711, 0.3344, 0.4434



64.2711, 0.2107, 0.2370



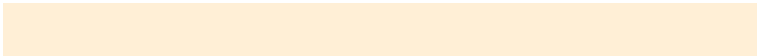
64.2711, 0.2809, 0.2384

Sweetspot

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



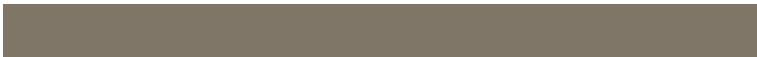
64.2676, 0.4217, 0.4155



88.0120, 0.3392, 0.3540



36.4585, 0.4088, 0.2724



18.5289, 0.3430, 0.3573



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.



64.2676, 0.4217, 0.4155



58.8057, 0.4472, 0.4284



91.4580, 0.3823, 0.4654



19.8450, 0.3279, 0.3436



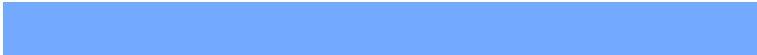
23.9434, 0.5079, 0.4349



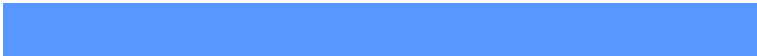
2.5432, 0.4951, 0.4451

Inverse Universe

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



39.2376, 0.2200, 0.2196



31.5645, 0.2024, 0.1929



24.1447, 0.2145, 0.1559



18.5265, 0.2979, 0.3140



8.6396, 0.1672, 0.1217



1.0452, 0.1734, 0.1441

Previews

White Background



This preview shows how the Yxy color 64.2711, 0.4217, 0.4155 looks on a white background.

Color Contrast Check

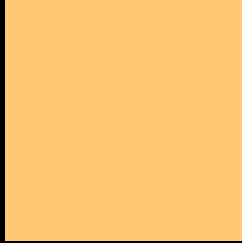
Large Text (above 18pt) WCAG AA × Fail

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 64.2711, 0.4217, 0.4155 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 64.2711, 0.4217, 0.4155

Background



This preview shows how black text looks on a background with the Yxy color 64.2711, 0.4217, 0.4155.



This preview shows how white text looks on a background with the Yxy color 64.2711, 0.4217, 0.4155.

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

64.2711, 0.4217, 0.4155

Protanopia

64.3901, 0.3949, 0.4290

Deuteranopia

64.4138, 0.4175, 0.4101



Tritanopia

64.2998, 0.3531, 0.3168

Trichromacy



Original Color

64.2711, 0.4217, 0.4155

Protanomaly

64.4353, 0.4045, 0.4241

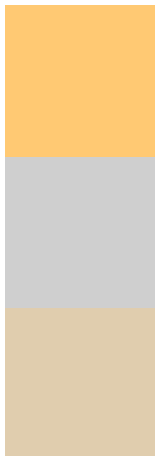
Deuteranomaly

64.3652, 0.4189, 0.4119

Tritanomaly

64.2096, 0.3793, 0.3542

Monochromacy



Original Color

64.2711, 0.4217, 0.4155

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

62.5659, 0.3506, 0.3643

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.2711, 0.4217, 0.4155 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, 201, 115)` looks like.

```
.text, #text, p{  
    color:rgb(255, 201, 115)  
}
```

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, 201, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 201, 115) }
```

Border

The CSS property to change the border of an element to Yxy 64.2711, 0.4217, 0.4155 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, 201, 115) }
```

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

```
.border{ border-color:rgb(255, 201, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 201, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 201, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 201, 115);  
box-shadow:4px 4px 4px 4px rgb(255, 201,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 64.2711, 0.4217, 0.4155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 201, 115) }
```

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

```
.background{ background-color: rgb(255,  
201, 115) }
```

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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