

Converting Colors

$Y_{xy}(65.1641, 0.4218, 0.4191)$

Have a look what the booklet for
Yxy(65.1641, 0.4218, 0.4191)
contains.

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Color

Yxy(65.1641, 0.4218, 0.4191)

Conversions

Conversions Part 1

Format	Color
Hex	FFCB71
RGB	255, 203, 113
RGB Percent	100%, 80%, 44%
CMY	0.0000, 0.2039, 0.5569
CMYK	0.00, 0.20, 0.56, 0.00
HSL	38°, 100%, 72%
HSV	38°, 56%, 100%
XYZ	65.5839, 65.1641, 24.7378
YIQ	208.2880, 59.8820, -16.9660

Conversions

Conversions Part 2

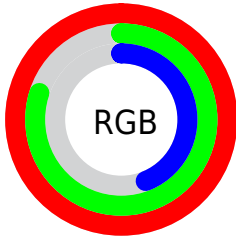
Format	Color
R_{YB}	195, 255, 113
Decimal	16763761
CIE _{Lab}	84.57, 8.35, 51.35
CIE _{LCh}	85, 52.029, 80.768
Y _{xy}	65.1641, 0.4218, 0.4191
Android (android.graphics.Color)	4294953841 (0xFFFFCB71)
YUV	208.2880, -46.9770, 40.9664
Hunter-Lab	80.7243, 3.7537, 38.3377

Details

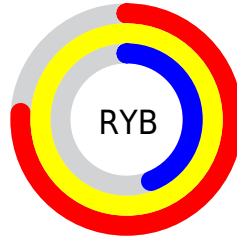
The Yxy color **65.1641, 0.4218, 0.4191** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **37.6346, 0.2179, 0.2141**, and the grayscale version is **63.5508, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5700, 0.3649, 0.4153**, and **33.4339, 0.4451, 0.4365** is the 20% darker color. If you saturate the color by 10%, you get **60.3875, 0.4440, 0.4311**, and if you desaturate by 10%, it is **70.3626, 0.3994, 0.4044**.

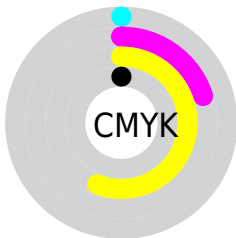
Distribution



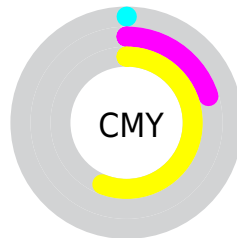
- Red (100%)
- Green (80%)
- Blue (44%)



- Red (76%)
- Yellow (100%)
- Blue (44%)



- Cyan (0%)
- Magenta (20%)
- Yellow (56%)
- Black (0%)





- Cyan (0%)
- Magenta (20%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.1641, 0.4218, 0.4191 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 65.1641, 0.4218, 0.4191 by changing the saturation by 10% instead.


 65.1641, 0.4218,
0.4191

 65.1641, 0.4218,
0.4191


443.3814, 0.3720,
0.3797

 47.5942, 0.4325,
0.4270


 112.2858, 0.4050,
0.4062

 33.5056, 0.4451,
0.4360


 142.6062, 0.3983,
0.4009

 22.5141, 0.4600,
0.4462


 177.9457, 0.3925,
0.3963

 14.2351, 0.4775,
0.4571

218.6885, 0.3874,
0.3922

 8.2844, 0.4987,
0.4687

265.2191, 0.3828,
0.3886

 4.2774, 0.5223,
0.4777

317.9219, 0.3788,

 1.8299, 0.5333,

0.3853

0.4667

377.1812, 0.3752,
0.3824

0.5057, 0.5751,
0.4249

0.0000, 0.0000,
0.0000

65.1641, 0.4218,
0.4191

65.1641, 0.4218,
0.4191

60.3875, 0.4440,
0.4311

70.3626, 0.3994,
0.4044

56.0218, 0.4649,
0.4391

76.0074, 0.3777,
0.3881

52.0435, 0.4834,
0.4422

82.1115, 0.3573,
0.3711

48.4277, 0.4985,
0.4400

88.6894, 0.3385,
0.3542

46.9683, 0.5042,
0.4378

95.7546, 0.3216,
0.3379

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.



65.1641, 0.4423, 0.3737



65.1641, 0.4218, 0.4191



65.1641, 0.3725, 0.4465

Triad

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



65.1641, 0.4218, 0.4191



65.1641, 0.2118, 0.3185



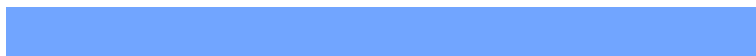
65.1641, 0.3045, 0.2454

Complementary

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



65.1641, 0.4218, 0.4191



37.6346, 0.2179, 0.2141

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.



65.1641, 0.2468, 0.2292



65.1641, 0.4218, 0.4191



65.1641, 0.1980, 0.2640

Square

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



65.1641, 0.4218, 0.4191



65.1641, 0.2514, 0.3861



65.1641, 0.2101, 0.2343



65.1641, 0.3711, 0.2790

Rectangle

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



65.1641, 0.4218, 0.4191



65.1641, 0.3312, 0.4451



65.1641, 0.2101, 0.2343



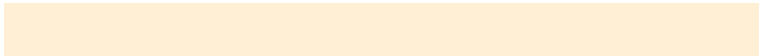
65.1641, 0.2835, 0.2378

Sweetspot

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



65.1616, 0.4218, 0.4191



87.8027, 0.3409, 0.3564



35.7847, 0.4168, 0.2765



18.5050, 0.3446, 0.3598



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.



65.1616, 0.4218, 0.4191



59.7944, 0.4468, 0.4324



90.5557, 0.3798, 0.4689



19.9066, 0.3278, 0.3440



24.8366, 0.5025, 0.4392



2.6267, 0.4905, 0.4488

Inverse Universe

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



37.6346, 0.2179, 0.2141



29.8897, 0.1998, 0.1860



23.9249, 0.2161, 0.1545



18.4669, 0.2979, 0.3135



8.1569, 0.1656, 0.1162



0.9939, 0.1719, 0.1387

Previews

White Background



This preview shows how the Yxy color 65.1641, 0.4218, 0.4191 looks on a white background.

Color Contrast Check

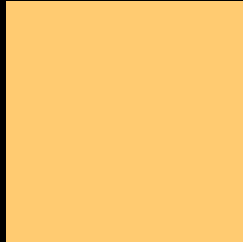
Large Text (above 18pt) WCAG AA × Fail

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 65.1641, 0.4218, 0.4191 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 65.1641, 0.4218, 0.4191

Background



This preview shows how black text looks on a background with the Yxy color 65.1641, 0.4218, 0.4191.



This preview shows how white text looks on a background with the Yxy color 65.1641, 0.4218, 0.4191.

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

65.1641, 0.4218, 0.4191

Protanopia

65.0053, 0.3964, 0.4315

Deuteranopia

65.0074, 0.4135, 0.4065



Tritanopia

65.2939, 0.3511, 0.3168

Trichromacy



Original Color

65.1641, 0.4218, 0.4191

Protanomaly

64.8748, 0.4053, 0.4269

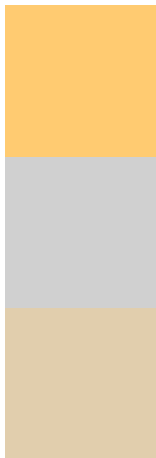
Deuteranomaly

64.8815, 0.4170, 0.4111

Tritanomaly

65.1240, 0.3786, 0.3563

Monochromacy



Original Color

65.1641, 0.4218, 0.4191

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

63.1673, 0.3520, 0.3665

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.1641, 0.4218, 0.4191 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, 203, 113)` looks like.

```
.text, #text, p{  
    color:rgb(255, 203, 113)  
}
```

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, 203, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 203, 113) }
```

Border

The CSS property to change the border of an element to Yxy 65.1641, 0.4218, 0.4191 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, 203, 113) }
```

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

```
.border{ border-color:rgb(255, 203, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 203, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 203, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 203, 113);  
box-shadow:4px 4px 4px 4px rgb(255, 203,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 65.1641, 0.4218, 0.4191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 203, 113) }
```

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

```
.background{ background-color: rgb(255,  
203, 113) }
```

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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