

Converting Colors

$Y_{xy}(67.0276, 0.3716, 0.3521)$

Have a look what the booklet for
Yxy(67.0276, 0.3716, 0.3521)
contains.

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Color

Yxy(66.7963, 0.3721, 0.3520)

Conversions

Conversions Part 1

Format	Color
Hex	FFCAB4
RGB	255, 202, 180
RGB Percent	100%, 79%, 71%
CMY	0.0000, 0.2079, 0.2941
CMYK	0.00, 0.21, 0.29, 0.00
HSL	18°, 100%, 85%
HSV	18°, 29%, 100%
XYZ	70.6105, 66.7963, 52.3554
YIQ	215.3390, 38.6500, 4.3940

Conversions

Conversions Part 2

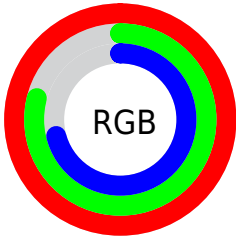
Format	Color
R _Y B	255, 211, 180
Decimal	16763572
CIE Lab	85.40, 15.77, 18.14
CIE LCh	85, 24.038, 49.004
Yxy	66.7963, 0.3721, 0.3520
Android (android.graphics.Color)	4294953652 (0xFFFFCAB4)
YUV	215.3390, -17.4221, 34.7827
Hunter-Lab	81.7290, 11.1910, 19.2293

Details

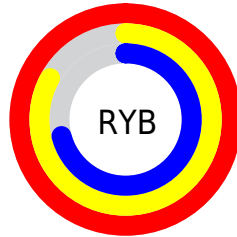
The Yxy color **66.7963, 0.3721, 0.3520** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **75.2135, 0.2674, 0.3047**, and the grayscale version is **68.2927, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8361, 0.3238, 0.3473**, and **34.5824, 0.3868, 0.3572** is the 20% darker color. If you saturate the color by 10%, you get **57.8758, 0.3998, 0.3601**, and if you desaturate by 10%, it is **76.8867, 0.3484, 0.3438**.

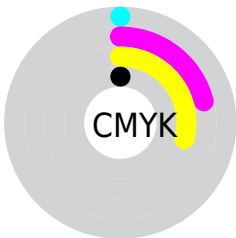
Distribution



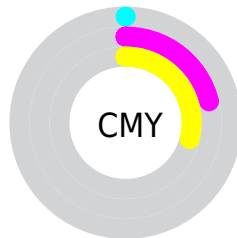
- Red (100%)
- Green (79%)
- Blue (71%)



- Red (100%)
- Yellow (83%)
- Blue (71%)



- Cyan (0%)
- Magenta (21%)
- Yellow (29%)
- Black (0%)





- Cyan (0%)
- Magenta (21%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.7963, 0.3721, 0.3520 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 66.7963, 0.3721, 0.3520 by changing the saturation by 10% instead.


 66.7963, 0.3721,
0.3520

 66.7963, 0.3721,
0.3520


449.2194, 0.3439,
0.3419

 48.9191, 0.3787,
0.3542


 114.6285, 0.3622,
0.3486

 34.5553, 0.3869,
0.3567


145.3523, 0.3584,
0.3473

 23.3205, 0.3973,
0.3598


181.1270, 0.3551,
0.3461

 14.8304, 0.4111,
0.3636

222.3372, 0.3523,
0.3450

 8.7004, 0.4301,
0.3682

269.3671, 0.3498,
0.3441

 4.5463, 0.4577,
0.3735

322.6011, 0.3476,

 1.9836, 0.5051,

0.3433

0.3818

382.4238, 0.3457,
0.3426

0.5979, 0.6158,
0.3842

0.0000, 0.0000,
0.0000

66.7963, 0.3721,
0.3520

66.7963, 0.3721,
0.3520

57.8758, 0.3998,
0.3601

76.8867, 0.3484,
0.3438

50.0949, 0.4317,
0.3676

88.2029, 0.3285,
0.3360

43.4016, 0.4673,
0.3736

100.0000, 0.3127,
0.3290

37.7450, 0.5050,
0.3769

■ 33.0699, 0.5421,
0.3762

■ 29.3150, 0.5747,
0.3709

■ 26.4057, 0.5998,
0.3614

■ 26.2571, 0.6011,
0.3609

Harmonies

Analogous

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



66.7963, 0.3621, 0.3273



66.7963, 0.3721, 0.3520



66.7963, 0.3652, 0.3724

Triad

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



66.7963, 0.3721, 0.3520



66.7963, 0.2864, 0.3559



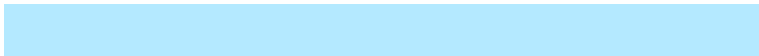
66.7963, 0.2805, 0.2798

Complementary

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



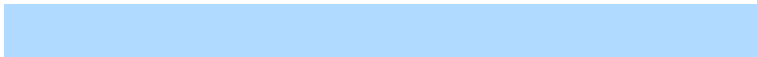
66.7963, 0.3721, 0.3520



75.2135, 0.2674, 0.3047

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.



66.7963, 0.2621, 0.2847



66.7963, 0.3721, 0.3520



66.7963, 0.2654, 0.3277

Square

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



66.7963, 0.3721, 0.3520



66.7963, 0.3150, 0.3764



66.7963, 0.2568, 0.3016



66.7963, 0.3082, 0.2870

Rectangle

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



66.7963, 0.3721, 0.3520



66.7963, 0.3523, 0.3804



66.7963, 0.2568, 0.3016



66.7963, 0.2731, 0.2801

Sweetspot

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



66.7916, 0.3721, 0.3520



88.6914, 0.3278, 0.3356



59.8325, 0.3326, 0.2750



18.6130, 0.3305, 0.3368



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.



66.7916, 0.3721, 0.3520



61.6635, 0.3870, 0.3566



86.1435, 0.3616, 0.3880



18.8545, 0.3287, 0.3360



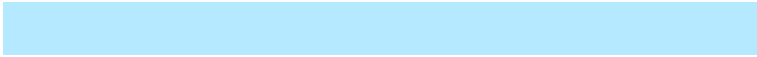
13.9426, 0.5982, 0.3632



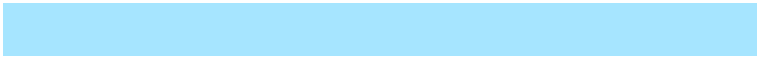
1.5368, 0.5762, 0.3807

Inverse Universe

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



75.2135, 0.2674, 0.3047



71.2505, 0.2592, 0.2993



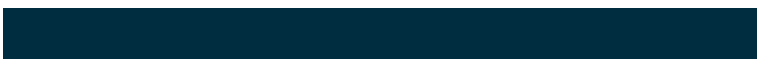
56.5203, 0.2627, 0.2620



19.5292, 0.2980, 0.3219



21.1548, 0.1973, 0.2303



2.2490, 0.2008, 0.2429

Previews

White Background



This preview shows how the Yxy color 66.7963, 0.3721, 0.3520 looks on a white background.

Color Contrast Check

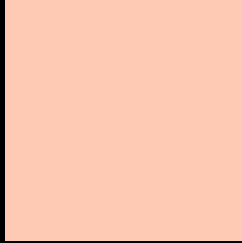
Large Text (above 18pt) WCAG AA × Fail

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 66.7963, 0.3721, 0.3520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

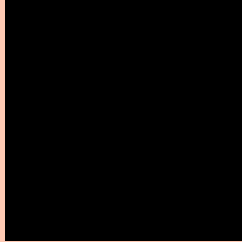
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.7963, 0.3721, 0.3520

Background



This preview shows how black text looks on a background with the Yxy color 66.7963, 0.3721, 0.3520.



This preview shows how white text looks on a background with the Yxy color 66.7963, 0.3721, 0.3520.

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

66.7963, 0.3721, 0.3520

Protanopia

66.9810, 0.3401, 0.3593

Deuteranopia

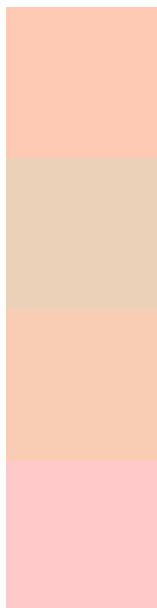
66.9901, 0.3644, 0.3579



Tritanopia

66.9109, 0.3466, 0.3148

Trichromacy



Original Color

66.7963, 0.3721, 0.3520

Protanomaly

66.7238, 0.3510, 0.3564

Deuteranomaly

67.0571, 0.3671, 0.3566

Tritanomaly

66.7856, 0.3559, 0.3281

Monochromacy



Original Color

66.7963, 0.3721, 0.3520

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

67.1804, 0.3336, 0.3378

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.7963, 0.3721, 0.3520 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, 202, 180)` looks like.

```
.text, #text, p{  
    color:rgb(255, 202, 180)  
}
```

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, 202, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 202, 180) }
```

Border

The CSS property to change the border of an element to Yxy 66.7963, 0.3721, 0.3520 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, 202, 180) }
```

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

```
.border{ border-color:rgb(255, 202, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 202, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 202, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 202, 180);  
box-shadow:4px 4px 4px 4px rgb(255, 202,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 66.7963, 0.3721, 0.3520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 202, 180) }
```

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

```
.background{ background-color: rgb(255,  
202, 180) }
```

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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