

# Converting Colors

$Y_{xy}(71.6529, 0.3580, 0.3450)$

Have a look what the booklet for  
Yxy(71.6529, 0.3580, 0.3450)  
contains.

<b>Yxy(71.7887, 0.3581, 0.3456)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(71.7887, 0.3581, 0.3456)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD3C3
RGB	255, 211, 195
RGB Percent	100%, 83%, 76%
CMY	0.0000, 0.1725, 0.2354
CMYK	0.00, 0.17, 0.24, 0.00
HSL	16°, 100%, 88%
HSV	16°, 24%, 100%
XYZ	74.3852, 71.7887, 61.5480
YIQ	222.3320, 31.3600, 4.3520

# Conversions

## Conversions Part 2

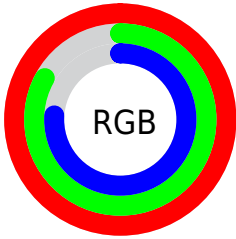
Format	Color
R <sub>Y</sub> B	255, 217, 195
Decimal	16765891
CIE Lab	87.87, 13.07, 13.71
CIE LCh	88, 18.945, 46.377
Yxy	71.7887, 0.3581, 0.3456
Android (android.graphics.Color)	4294955971 (0xFFFFD3C3)
YUV	222.3320, -13.4747, 28.6498
Hunter-Lab	84.7282, 8.4357, 16.2405

# Details

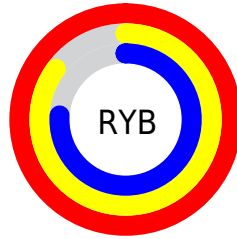
The Yxy color **71.7887, 0.3581, 0.3456** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **80.5320, 0.2764, 0.3117**, and the grayscale version is **73.3729, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8083, 0.3144, 0.3319**, and **37.7058, 0.3700, 0.3489** is the 20% darker color. If you saturate the color by 10%, you get **61.9802, 0.3838, 0.3531**, and if you desaturate by 10%, it is **82.8756, 0.3365, 0.3383**.

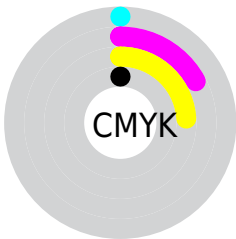
# Distribution



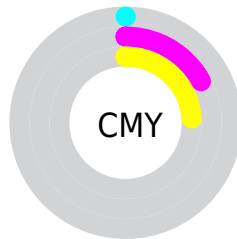
- Red (100%)
- Green (83%)
- Blue (76%)



- Red (100%)
- Yellow (85%)
- Blue (76%)



- Cyan (0%)
- Magenta (17%)
- Yellow (24%)
- Black (0%)




- Cyan (0%)
- Magenta (17%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.7887, 0.3581, 0.3456 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 71.7887, 0.3581, 0.3456 by changing the saturation by 10% instead.




 71.7887, 0.3581,  
0.3456

 71.7887, 0.3581,  
0.3456


466.8058, 0.3369,  
0.3383

 52.9861, 0.3630,  
0.3472


121.7561, 0.3507,  
0.3431

 37.7917, 0.3691,  
0.3491


153.6896, 0.3478,  
0.3422

 25.8210, 0.3768,  
0.3514


190.7689, 0.3454,  
0.3413

 16.6898, 0.3870,  
0.3542

233.3784, 0.3432,  
0.3406

 10.0136, 0.4009,  
0.3579

281.9024, 0.3413,  
0.3399

 5.4080, 0.4210,  
0.3625


336.7254, 0.3397,


 2.4886, 0.4524,

0.3393

0.3680


398.2317, 0.3382,  
0.3388

 0.8709, 0.5764,  
0.4236


 0.0000, 1.0000,  
0.0000


 71.7887, 0.3581,  
0.3456


 71.7887, 0.3581,  
0.3456

 61.9802, 0.3838,  
0.3531

 82.8756, 0.3365,  
0.3383

 53.4005, 0.4139,  
0.3604

 95.2826, 0.3184,  
0.3313

 46.0009, 0.4484,  
0.3667

100.0000, 0.3127,  
0.3290

 39.7279, 0.4862,  
0.3711

■ 34.5240, 0.5253,  
0.3724

■ 30.3258, 0.5620,  
0.3696

■ 27.0625, 0.5921,  
0.3624

■ 25.4073, 0.6071,  
0.3561

# Harmonies

## Analogous

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



71.7887, 0.3494, 0.3262



71.7887, 0.3581, 0.3456



71.7887, 0.3541, 0.3616

# Triad

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



71.7887, 0.3581, 0.3456



71.7887, 0.2943, 0.3512



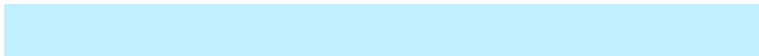
71.7887, 0.2863, 0.2907

# Complementary

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



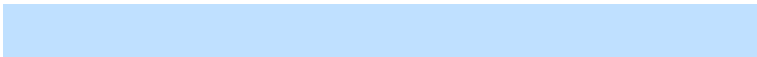
71.7887, 0.3581, 0.3456



80.5320, 0.2764, 0.3117

# 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.



71.7887, 0.2727, 0.2956



71.7887, 0.3581, 0.3456



71.7887, 0.2771, 0.3302

# Square

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



71.7887, 0.3581, 0.3456



71.7887, 0.3168, 0.3659



71.7887, 0.2694, 0.3098



71.7887, 0.3073, 0.2954



# Rectangle

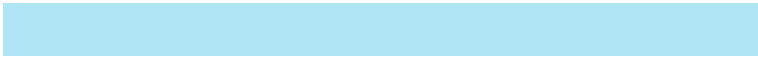
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.7887, 0.3581, 0.3456



71.7887, 0.3449, 0.3680



71.7887, 0.2694, 0.3098



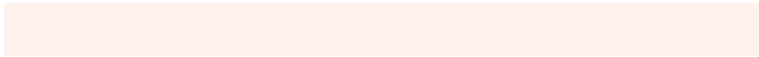
71.7887, 0.2807, 0.2912

# Sweetspot

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



71.7896, 0.3581, 0.3456



90.8384, 0.3243, 0.3337



66.5090, 0.3272, 0.2851



19.2807, 0.3253, 0.3341



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.



71.7896, 0.3581, 0.3456



67.2602, 0.3690, 0.3490



88.1055, 0.3514, 0.3751



18.7761, 0.3288, 0.3354



13.4835, 0.6043, 0.3584

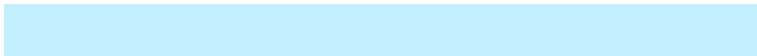


1.4834, 0.5824, 0.3758

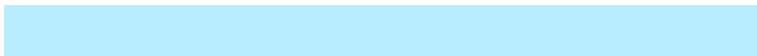


# Inverse Universe

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



80.5320, 0.2764, 0.3117



77.3116, 0.2697, 0.3081



64.4085, 0.2737, 0.2783



19.6123, 0.2980, 0.3225



22.5783, 0.1999, 0.2397



2.3783, 0.2031, 0.2511



# Previews

## White Background



This preview shows how the Yxy color 71.7887, 0.3581, 0.3456 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

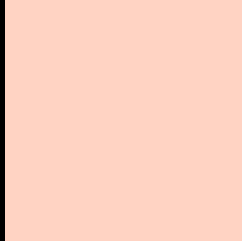
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.7887, 0.3581, 0.3456 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

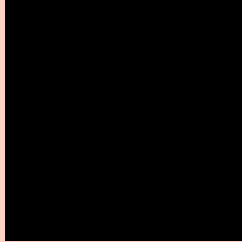
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 71.7887, 0.3581, 0.3456**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.7887, 0.3581, 0.3456.



This preview shows how white text looks on a background with the Yxy color 71.7887, 0.3581, 0.3456.

# 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

71.7887, 0.3581, 0.3456

### Protanopia

72.0145, 0.3329, 0.3508

### Deuteranopia

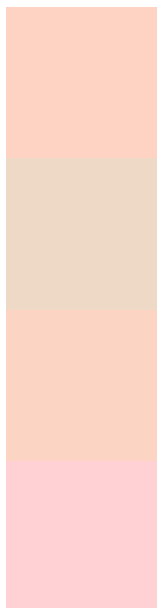
71.5363, 0.3547, 0.3468



## Tritanopia

71.6995, 0.3376, 0.3139

# Trichromacy



## Original Color

71.7887, 0.3581, 0.3456

## Protanomaly

71.8801, 0.3415, 0.3494

## Deuteranomaly

71.7225, 0.3555, 0.3467

## Tritanomaly

71.6650, 0.3449, 0.3250

# Monochromacy



## Original Color

71.7887, 0.3581, 0.3456

## Achromatopsia

73.0461, 0.3127, 0.3290

## Achromatomaly

72.3887, 0.3285, 0.3354

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.7887, 0.3581, 0.3456 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, 211, 195)` looks like.

```
.text, #text, p{  
    color:rgb(255, 211, 195)  
}
```

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, 211, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 211, 195) }
```

## Border

The CSS property to change the border of an element to Yxy 71.7887, 0.3581, 0.3456 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, 211, 195) }
```

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

```
.border{ border-color:rgb(255, 211, 195) }
```

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

Here you see how a box with a 4 pixel rgb(255, 211, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 211, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 211, 195);  
box-shadow:4px 4px 4px 4px rgb(255, 211,  
195) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.7887, 0.3581, 0.3456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 211, 195) }
```

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

```
.background{ background-color: rgb(255,  
211, 195) }
```

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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