

# Converting Colors

$Yxy(72.0773, 0.3122, 0.3463)$

Have a look what the booklet for  
Yxy(72.0773, 0.3122, 0.3463)  
contains.

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# Color

**Yxy(72.1555, 0.3126, 0.3469)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2E1D1
RGB	210, 225, 209
RGB Percent	82%, 88%, 82%
CMY	0.1763, 0.1177, 0.1804
CMYK	0.07, 0.00, 0.07, 0.12
HSL	116°, 21%, 85%
HSV	116°, 7%, 88%
XYZ	65.0211, 72.1555, 70.8243
YIQ	218.6910, -3.8040, -8.1560

# Conversions

## Conversions Part 2

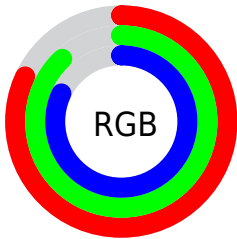
Format	Color
RYB	209, 225, 224
Decimal	13820369
CIELab	88.04, -7.90, 6.10
CIELCh	88, 9.978, 142.341
Yxy	72.1555, 0.3126, 0.3469
Android (android.graphics.Color)	4292010449 (0xFFD2E1D1)
YUV	218.6910, -4.7777, -7.6220
Hunter-Lab	84.9444, -12.0191, 10.0267

# Details

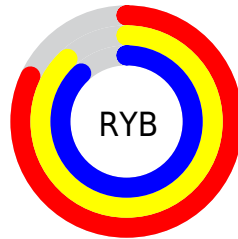
The Yxy color **72.1555, 0.3126, 0.3469** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.8798, 0.3128, 0.3116**, and the grayscale version is **70.6550, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.1839, 0.3126, 0.3510** is the 20% darker color. If you saturate the color by 10%, you get **68.2328, 0.3123, 0.3750**, and if you desaturate by 10%, it is **76.6478, 0.3127, 0.3222**.

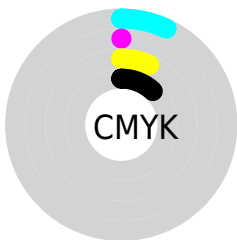
# Distribution



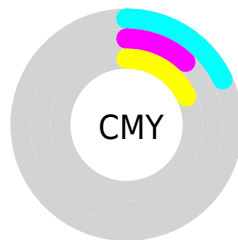
- Red (82%)
- Green (88%)
- Blue (82%)



- Red (82%)
- Yellow (88%)
- Blue (88%)



- Cyan (7%)
- Magenta (0%)
- Yellow (7%)
- Black (12%)



- Cyan (18%)
- Magenta (12%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.1555, 0.3126, 0.3469 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 72.1555, 0.3126, 0.3469 by changing the saturation by 10% instead.



■ 72.1555, 0.3126,  
0.3469

■ 72.1555, 0.3126,  
0.3469

468.0827, 0.3127,  
0.3385

■ 53.2857, 0.3126,  
0.3489

122.2776, 0.3126,  
0.3440

■ 38.0309, 0.3125,  
0.3513

154.2987, 0.3127,  
0.3428

■ 26.0067, 0.3124,  
0.3544

191.4723, 0.3127,  
0.3419

■ 16.8286, 0.3123,  
0.3585

234.1829, 0.3127,  
0.3410

■ 10.1124, 0.3121,  
0.3642

282.8148, 0.3127,  
0.3403

■ 5.4735, 0.3118,  
0.3726

337.7525, 0.3127,

■ 2.5277, 0.3110,

0.3396

0.3863

399.3803, 0.3127,  
0.3390

■ 0.8905, 0.3131,  
0.4266

■ 0.0000, 0.0000,  
0.0000

■ 72.1555, 0.3126,  
0.3469

■ 72.1555, 0.3126,  
0.3469

■ 68.2328, 0.3123,  
0.3750

■ 76.6478, 0.3127,  
0.3222

■ 64.8482, 0.3117,  
0.4062

■ 81.7215, 0.3128,  
0.3007

■ 61.9810, 0.3109,  
0.4401

■ 82.3271, 0.3141,  
0.2999

■ 59.6057, 0.3098,  
0.4755

■ 57.6945, 0.3084,  
0.5104

■ 56.2172, 0.3067,  
0.5423

■ 55.1394, 0.3049,  
0.5686

■ 54.4222, 0.3030,  
0.5871

■ 54.0173, 0.3014,  
0.5972

# Harmonies

## Analogous

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



72.1555, 0.3244, 0.3502



72.1555, 0.3126, 0.3469



72.1555, 0.3010, 0.3386

# Triad

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



72.1555, 0.3126, 0.3469



72.1555, 0.2925, 0.3105



72.1555, 0.3333, 0.3299

# Complementary

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



72.1555, 0.3126, 0.3469



66.8798, 0.3128, 0.3116

# 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.



72.1555, 0.3244, 0.3197



72.1555, 0.3126, 0.3469



72.1555, 0.3008, 0.3086

# Square

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



72.1555, 0.3126, 0.3469



72.1555, 0.2895, 0.3173



72.1555, 0.3125, 0.3120



72.1555, 0.3365, 0.3400



# Rectangle

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



72.1555, 0.3126, 0.3469



72.1555, 0.2948, 0.3313



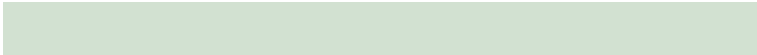
72.1555, 0.3125, 0.3120



72.1555, 0.3308, 0.3263

# Sweetspot

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



72.1586, 0.3126, 0.3469



98.7825, 0.3127, 0.3339



73.8829, 0.3233, 0.3452



21.1563, 0.3127, 0.3337



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

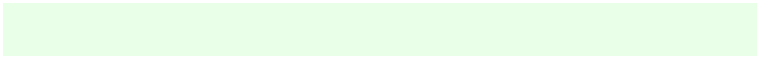


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.1586, 0.3126, 0.3469



94.7634, 0.3126, 0.3521



72.3576, 0.3074, 0.3391



15.3794, 0.3125, 0.3532



31.1050, 0.3015, 0.5988



2.1712, 0.3057, 0.5955



# Inverse Universe

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



66.8798, 0.3128, 0.3116



85.9402, 0.3128, 0.3068



66.6754, 0.3184, 0.3191



13.8880, 0.3128, 0.3058



11.0829, 0.3048, 0.1453

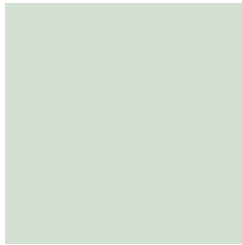


0.7821, 0.3074, 0.1467



# Previews

## White Background



This preview shows how the Yxy color 72.1555, 0.3126, 0.3469 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

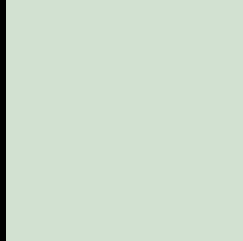
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.1555, 0.3126, 0.3469 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

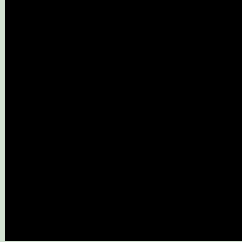
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

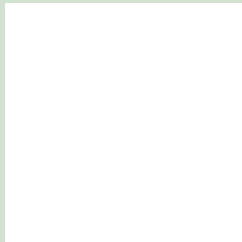
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.1555, 0.3126, 0.3469**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.1555, 0.3126, 0.3469.

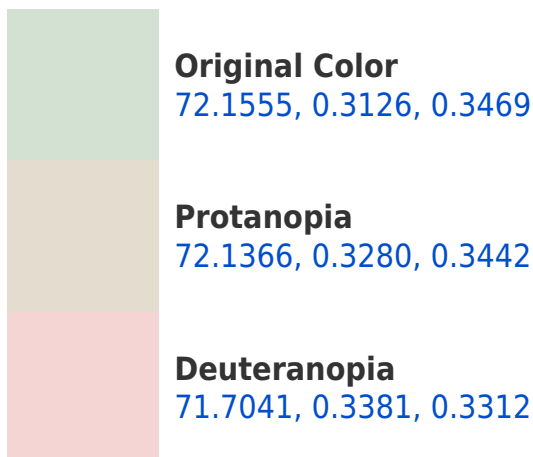


This preview shows how white text looks on a background with the Yxy color 72.1555, 0.3126, 0.3469.

# 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

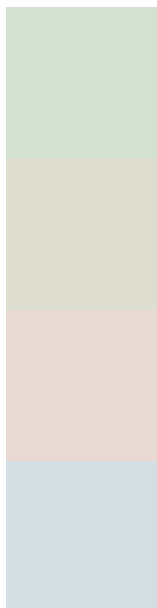




## Tritanopia

72.3330, 0.2977, 0.3107

# Trichromacy



## Original Color

72.1555, 0.3126, 0.3469

## Protanomaly

72.1197, 0.3220, 0.3455

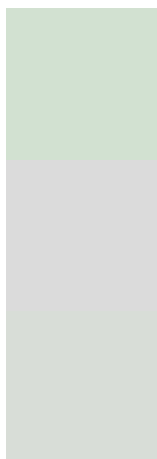
## Deuteranomaly

71.4347, 0.3285, 0.3366

## Tritanomaly

71.9347, 0.3032, 0.3235

# Monochromacy



## Original Color

72.1555, 0.3126, 0.3469

## Achromatopsia

70.8376, 0.3127, 0.3290

## Achromatomaly

71.2181, 0.3131, 0.3356

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.1555, 0.3126, 0.3469 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(210, 225, 209) looks like.

```
.text, #text, p{  
    color:rgb(210, 225, 209)  
}
```

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(210, 225, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 225, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 72.1555, 0.3126, 0.3469 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(210, 225, 209) }
```

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

```
.border{ border-color:rgb(210, 225, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 225, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 225, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 225, 209);  
box-shadow:4px 4px 4px 4px rgb(210, 225,  
209) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 72.1555, 0.3126, 0.3469$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 225, 209) }
```

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

```
.background{ background-color: rgb(210,  
225, 209) }
```

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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