

# Converting Colors

$Yxy(72.1680, 0.3107, 0.4021)$

Have a look what the booklet for  
Yxy(72.1680, 0.3107, 0.4021)  
contains.

<b>Yxy(72.4332, 0.3105, 0.4026)</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(72.4332, 0.3105, 0.4026)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1ECAF
RGB	177, 236, 175
RGB Percent	69%, 93%, 69%
CMY	0.3060, 0.0745, 0.3135
CMYK	0.25, 0.00, 0.26, 0.07
HSL	118°, 62%, 81%
HSV	118°, 26%, 93%
XYZ	55.8632, 72.4332, 51.6172
YIQ	211.4050, -15.5830, -31.4790

# Conversions

## Conversions Part 2

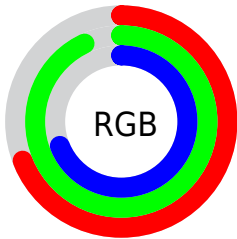
Format	Color
<b>RYB</b>	175, 236, 234
Decimal	11660463
CIELab	88.18, -30.21, 23.67
CIELCh	88, 38.380, 141.925
Yxy	72.4332, 0.3105, 0.4026
Android (android.graphics.Color)	4289850543 (0xFFB1ECAAF)
YUV	211.4050, -17.9477, -30.1732
Hunter-Lab	85.1077, -31.7743, 23.6164

# Details

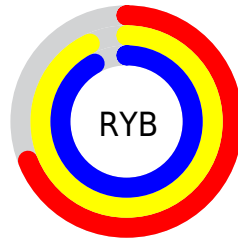
The Yxy color **72.4332, 0.3105, 0.4026** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **54.2415, 0.3142, 0.2644**, and the grayscale version is **65.5520, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7819, 0.3134, 0.3532**, and **38.2586, 0.3091, 0.4224** is the 20% darker color. If you saturate the color by 10%, you get **69.1258, 0.3093, 0.4366**, and if you desaturate by 10%, it is **76.3583, 0.3115, 0.3714**.

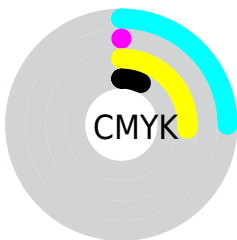
# Distribution



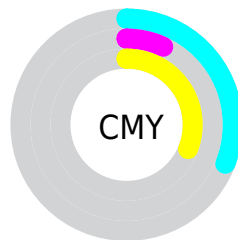
- Red (69%)
- Green (93%)
- Blue (69%)



- Red (69%)
- Yellow (93%)
- Blue (92%)



- Cyan (25%)
- Magenta (0%)
- Yellow (26%)
- Black (7%)



- Cyan (31%)
- Magenta (7%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.4332, 0.3105, 0.4026 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 72.4332, 0.3105, 0.4026 by changing the saturation by 10% instead.




 72.4332, 0.3105,  
0.4026

 72.4332, 0.3105,  
0.4026

469.0480, 0.3124,  
0.3670

 53.5126, 0.3098,  
0.4111


 122.6722, 0.3113,  
0.3899

 38.2122, 0.3089,  
0.4218


154.7595, 0.3116,  
0.3851

 26.1474, 0.3075,  
0.4357


192.0044, 0.3118,  
0.3810

 16.9339, 0.3053,  
0.4544

234.7914, 0.3120,  
0.3774

 10.1874, 0.3015,  
0.4807

283.5049, 0.3121,  
0.3743

 5.5234, 0.2944,  
0.5201


338.5292, 0.3122,

 2.5575, 0.2830,


0.3716


400.2488, 0.3123,  
0.3691


0.5927


 0.9053, 0.1195,  
0.8805


 0.0000, 0.0000,  
0.0000


 72.4332, 0.3105,  
0.4026


 72.4332, 0.3105,  
0.4026


 69.1258, 0.3093,  
0.4366


 76.3583, 0.3115,  
0.3714

 66.3960, 0.3079,  
0.4723

 80.9205, 0.3123,  
0.3436

 64.2135, 0.3063,  
0.5077

 86.1497, 0.3130,  
0.3193

 62.5413, 0.3047,  
0.5404

 88.4756, 0.3136,  
0.3107

■ 61.3381, 0.3031,  
0.5674

■ 60.5557, 0.3018,  
0.5867

■ 60.1362, 0.3007,  
0.5971

■ 60.0437, 0.3005,  
0.5996

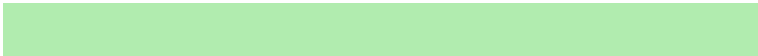
# Harmonies

## Analogous

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



72.4332, 0.3558, 0.4126



72.4332, 0.3105, 0.4026



72.4332, 0.2678, 0.3673

# Triad

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



72.4332, 0.3105, 0.4026



72.4332, 0.2379, 0.2595



72.4332, 0.3926, 0.3286

# Complementary

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



72.4332, 0.3105, 0.4026



54.2415, 0.3142, 0.2644

# 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.



72.4332, 0.3564, 0.2939



72.4332, 0.3105, 0.4026



72.4332, 0.2666, 0.2553

# Square

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



72.4332, 0.3105, 0.4026



72.4332, 0.2280, 0.2822



72.4332, 0.3095, 0.2678

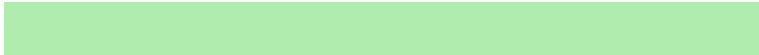


72.4332, 0.4054, 0.3656



# Rectangle

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



72.4332, 0.3105, 0.4026



72.4332, 0.2462, 0.3366



72.4332, 0.3095, 0.2678



72.4332, 0.3827, 0.3164

# Sweetspot

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



72.4363, 0.3105, 0.4026



95.1988, 0.3122, 0.3494



79.7633, 0.3522, 0.3915



20.1955, 0.3120, 0.3535



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

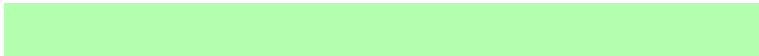


# Same Dimension

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



72.4363, 0.3105, 0.4026



84.1703, 0.3099, 0.4203



73.4505, 0.2928, 0.3675



16.8848, 0.3120, 0.3533



33.1050, 0.3007, 0.5995



2.6075, 0.3026, 0.5980



# Inverse Universe

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



54.2415, 0.3142, 0.2644



59.0410, 0.3144, 0.2512



53.0449, 0.3390, 0.2935



15.2881, 0.3133, 0.3058



12.4912, 0.3131, 0.1498

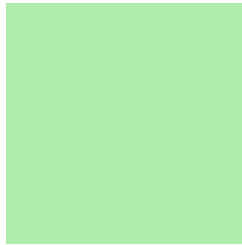


0.9885, 0.3142, 0.1505



# Previews

## White Background



This preview shows how the Yxy color 72.4332, 0.3105, 0.4026 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 72.4332, 0.3105, 0.4026 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

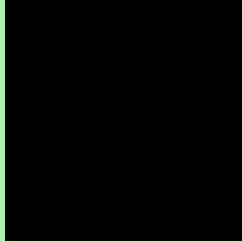
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.4332, 0.3105, 0.4026**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.4332, 0.3105, 0.4026.

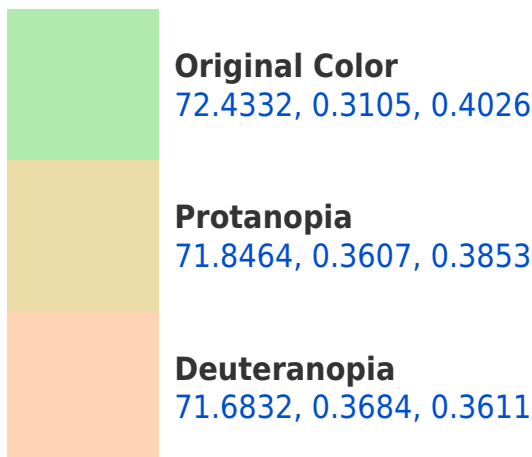


This preview shows how white text looks on a background with the Yxy color 72.4332, 0.3105, 0.4026.

# 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

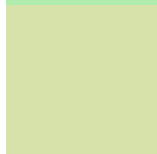
72.3496, 0.2773, 0.3089

# Trichromacy



## Original Color

72.4332, 0.3105, 0.4026



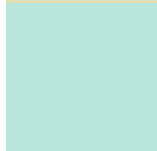
## Protanomaly

71.7801, 0.3411, 0.3913



## Deuteranomaly

71.2985, 0.3458, 0.3754



## Tritanomaly

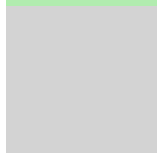
72.0752, 0.2892, 0.3405

# Monochromacy



## Original Color

72.4332, 0.3105, 0.4026



## Achromatopsia

65.1406, 0.3127, 0.3290



## Achromatomaly

67.4057, 0.3122, 0.3547

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.4332, 0.3105, 0.4026 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(177, 236, 175)` looks like.

```
.text, #text, p{  
    color:rgb(177, 236, 175)  
}
```

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(177, 236, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 236, 175) }
```

## Border

The CSS property to change the border of an element to Yxy 72.4332, 0.3105, 0.4026 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(177, 236, 175) }
```

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

```
.border{ border-color:rgb(177, 236, 175) }
```

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

Here you see how a box with a 4 pixel rgb(177, 236, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 236, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 236, 175);  
box-shadow:4px 4px 4px 4px rgb(177, 236,  
175) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.4332, 0.3105, 0.4026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 236, 175) }
```

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

```
.background{ background-color: rgb(177,  
236, 175) }
```

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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