

Converting Colors

$Yxy(72.1496, 0.3076, 0.3468)$

Have a look what the booklet for
Yxy(72.1496, 0.3076, 0.3468)
contains.

Yxy(71.9332, 0.3071, 0.3459)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(71.9332, 0.3071, 0.3459)

Conversions

Conversions Part 1

Format	Color
Hex	CCE2D3
RGB	204, 226, 211
RGB Percent	80%, 89%, 83%
CMY	0.1999, 0.1137, 0.1725
CMYK	0.10, 0.00, 0.07, 0.11
HSL	139°, 27%, 84%
HSV	139°, 10%, 89%
XYZ	63.8644, 71.9332, 72.1620
YIQ	217.7120, -8.2970, -9.3290

Conversions

Conversions Part 2

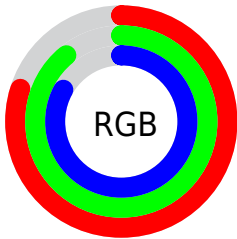
Format	Color
RYB	204, 221, 226
Decimal	13427411
CIELab	87.94, -10.07, 4.83
CIELCh	88, 11.164, 154.378
Yxy	71.9332, 0.3071, 0.3459
Android (android.graphics.Color)	4291617491 (0xFFCCE2D3)
YUV	217.7120, -3.3090, -12.0254
Hunter-Lab	84.8134, -14.0133, 8.9236

Details

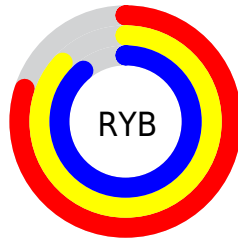
The Yxy color **71.9332, 0.3071, 0.3459** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.4829, 0.3188, 0.3127**, and the grayscale version is **69.9357, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.0442, 0.3055, 0.3498** is the 20% darker color. If you saturate the color by 10%, you get **68.2344, 0.3014, 0.3655**, and if you desaturate by 10%, it is **76.1755, 0.3129, 0.3285**.

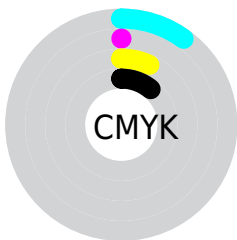
Distribution



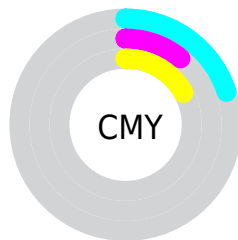
- Red (80%)
- Green (89%)
- Blue (83%)



- Red (80%)
- Yellow (87%)
- Blue (89%)



- Cyan (10%)
- Magenta (0%)
- Yellow (7%)
- Black (11%)



- Cyan (20%)
- Magenta (11%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.9332, 0.3071, 0.3459 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 71.9332, 0.3071, 0.3459 by changing the saturation by 10% instead.

71.9332, 0.3071,
0.3459

71.9332, 0.3071,
0.3459

467.3091, 0.3098,
0.3380

53.1041, 0.3065,
0.3477

121.9616, 0.3080,
0.3431

37.8859, 0.3057,
0.3500

153.9296, 0.3084,
0.3420

25.8941, 0.3047,
0.3530

191.0461, 0.3087,
0.3411

16.7445, 0.3034,
0.3569

233.6954, 0.3090,
0.3403

10.0525, 0.3015,
0.3623

282.2620, 0.3092,
0.3396

5.4338, 0.2988,
0.3703

337.1302, 0.3094,

2.5039, 0.2942,

0.3390

0.3834

398.6844, 0.3096,
0.3385

0.8786, 0.2824,
0.4210

0.0000, 0.0000,
0.0000

71.9332, 0.3071,
0.3459

71.9332, 0.3071,
0.3459

68.2344, 0.3014,
0.3655

76.1755, 0.3129,
0.3285

65.0481, 0.2960,
0.3872

80.9728, 0.3186,
0.3133

62.3538, 0.2910,
0.4109

82.8701, 0.3140,
0.3009

60.1261, 0.2870,
0.4363

■ 58.3375, 0.2841,
0.4627

■ 56.9572, 0.2826,
0.4891

■ 55.9505, 0.2829,
0.5143

■ 55.2764, 0.2848,
0.5372

■ 54.8673, 0.2880,
0.5568

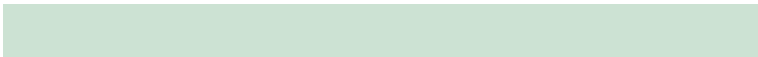
Harmonies

Analogous

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



71.9332, 0.3207, 0.3521



71.9332, 0.3071, 0.3459



71.9332, 0.2952, 0.3349

Triad

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



71.9332, 0.3071, 0.3459



71.9332, 0.2932, 0.3067



71.9332, 0.3381, 0.3346

Complementary

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



71.9332, 0.3071, 0.3459



64.4829, 0.3188, 0.3127

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.



71.9332, 0.3304, 0.3229



71.9332, 0.3071, 0.3459



71.9332, 0.3043, 0.3071

Square

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



71.9332, 0.3071, 0.3459



71.9332, 0.2873, 0.3122



71.9332, 0.3180, 0.3130



71.9332, 0.3388, 0.3452

Rectangle

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



71.9332, 0.3071, 0.3459



71.9332, 0.2897, 0.3266



71.9332, 0.3180, 0.3130



71.9332, 0.3362, 0.3307

Sweetspot

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



71.9363, 0.3071, 0.3459



98.2466, 0.3110, 0.3340



73.8175, 0.3221, 0.3532



20.9309, 0.3105, 0.3354



0.0000, 0.0000, 0.0000



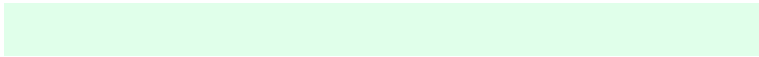
21.4041, 0.3127, 0.3290

Same Dimension

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



71.9363, 0.3071, 0.3459



93.3801, 0.3057, 0.3503



72.5041, 0.3003, 0.3335



15.4088, 0.3073, 0.3454



31.3169, 0.2874, 0.5545



2.1866, 0.2786, 0.5231

Inverse Universe

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



64.4829, 0.3188, 0.3127



81.3948, 0.3205, 0.3086



63.9253, 0.3268, 0.3246



13.8575, 0.3186, 0.3132



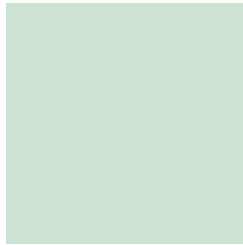
10.5784, 0.4212, 0.2094



0.7493, 0.4019, 0.1988

Previews

White Background



This preview shows how the Yxy color 71.9332, 0.3071, 0.3459 looks on a white background.

Color Contrast Check

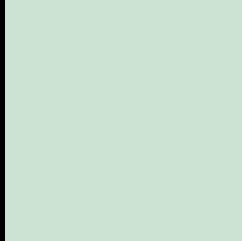
Large Text (above 18pt) WCAG AA × Fail

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 71.9332, 0.3071, 0.3459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

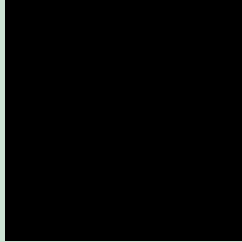
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

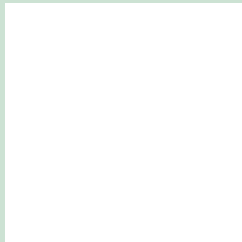
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.9332, 0.3071, 0.3459

Background



This preview shows how black text looks on a background with the Yxy color 71.9332, 0.3071, 0.3459.

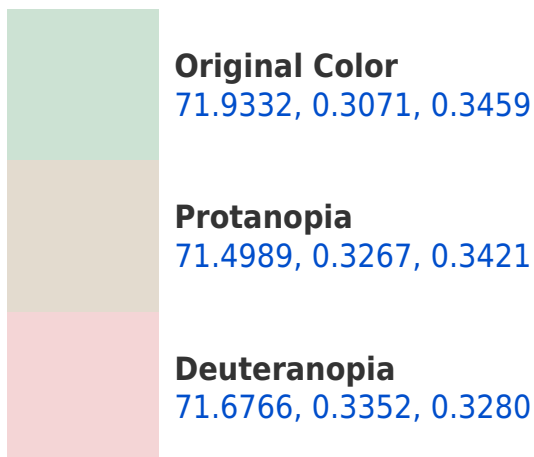


This preview shows how white text looks on a background with the Yxy color 71.9332, 0.3071, 0.3459.

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

72.0299, 0.2931, 0.3105

Trichromacy



Original Color

71.9332, 0.3071, 0.3459

Protanomaly

71.8567, 0.3198, 0.3445

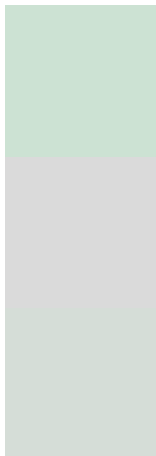
Deuteranomaly

71.6049, 0.3241, 0.3344

Tritanomaly

71.6979, 0.2979, 0.3223

Monochromacy



Original Color

71.9332, 0.3071, 0.3459

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

70.7653, 0.3110, 0.3357

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.9332, 0.3071, 0.3459 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(204, 226, 211)` looks like.

```
.text, #text, p{  
    color:rgb(204, 226, 211)  
}
```

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(204, 226, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 226, 211) }
```

Border

The CSS property to change the border of an element to Yxy 71.9332, 0.3071, 0.3459 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(204, 226, 211) }
```

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

```
.border{ border-color:rgb(204, 226, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 226, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 226, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 226, 211);  
box-shadow:4px 4px 4px 4px rgb(204, 226,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 71.9332, 0.3071, 0.3459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 226, 211) }
```

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

```
.background{ background-color: rgb(204,  
226, 211) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor