

Converting Colors

$Y_{xy}(72.2073, 0.3047, 0.3340)$

Have a look what the booklet for
Yxy(72.2073, 0.3047, 0.3340)
contains.

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Color

Yxy(72.0339, 0.3049, 0.3334)

Conversions

Conversions Part 1

Format	Color
Hex	D1E0DC
RGB	209, 224, 220
RGB Percent	82%, 88%, 86%
CMY	0.1803, 0.1216, 0.1372
CMYK	0.07, 0.00, 0.02, 0.12
HSL	164°, 19%, 85%
HSV	164°, 7%, 88%
XYZ	65.8762, 72.0339, 78.1484
YIQ	219.0590, -7.6560, -4.4240

Conversions

Conversions Part 2

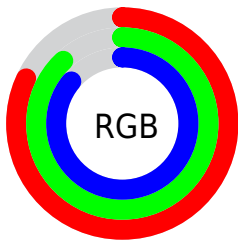
Format	Color
RYB	209, 218, 224
Decimal	13754588
CIELab	87.98, -5.72, 0.22
CIElCh	88, 5.728, 177.830
Yxy	72.0339, 0.3049, 0.3334
Android (android.graphics.Color)	4291944668 (0xFFD1E0DC)
YUV	219.0590, 0.4639, -8.8217
Hunter-Lab	84.8728, -9.9799, 4.8185

Details

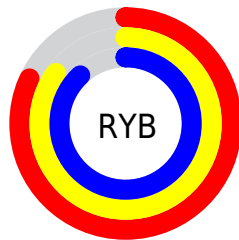
The Yxy color **72.0339, 0.3049, 0.3334** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.2694, 0.3212, 0.3246**, and the grayscale version is **70.8877, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.0611, 0.3034, 0.3348** is the 20% darker color. If you saturate the color by 10%, you get **68.6849, 0.2936, 0.3406**, and if you desaturate by 10%, it is **75.8597, 0.3166, 0.3269**.

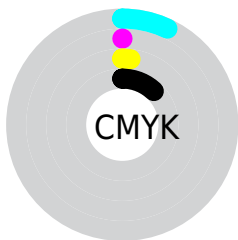
Distribution



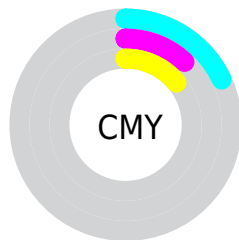
- Red (82%)
- Green (88%)
- Blue (86%)



- Red (82%)
- Yellow (85%)
- Blue (88%)



- Cyan (7%)
- Magenta (0%)
- Yellow (2%)
- Black (12%)



- Cyan (18%)
- Magenta (12%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.0339, 0.3049, 0.3334 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 72.0339, 0.3049, 0.3334 by changing the saturation by 10% instead.

■ 72.0339, 0.3049,
0.3334

■ 72.0339, 0.3049,
0.3334

467.6596, 0.3085,
0.3314

■ 53.1864, 0.3041,
0.3339

122.1047, 0.3062,
0.3327

■ 37.9516, 0.3030,
0.3344

154.0968, 0.3067,
0.3324

■ 25.9451, 0.3017,
0.3352

191.2392, 0.3071,
0.3322

■ 16.7826, 0.3000,
0.3361

233.9163, 0.3074,
0.3320

■ 10.0796, 0.2977,
0.3375

282.5125, 0.3078,
0.3318

■ 5.4518, 0.2942,
0.3394

337.4122, 0.3080,

■ 2.5147, 0.2888,

0.3316

0.3425

398.9997, 0.3083,
0.3315

0.8840, 0.2767,
0.3492

0.0000, 0.0000,
0.0000

72.0339, 0.3049,
0.3334

72.0339, 0.3049,
0.3334

68.6849, 0.2936,
0.3406

75.8597, 0.3166,
0.3269

65.7843, 0.2829,
0.3484

80.1711, 0.3286,
0.3211


63.3147, 0.2732,
0.3569

80.7364, 0.3254,
0.3153


61.2539, 0.2647,
0.3660

81.0927, 0.3214,
0.3095


 59.5778, 0.2578,
0.3755


 81.4608, 0.3175,
0.3038

 58.2598, 0.2527,
0.3854

 81.7888, 0.3141,
0.2989

 57.2696, 0.2496,
0.3955

 56.5719, 0.2485,
0.4055

 56.1217, 0.2492,
0.4155

Harmonies

Analogous

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



72.0339, 0.3114, 0.3385



72.0339, 0.3049, 0.3334



72.0339, 0.3005, 0.3271

Triad

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



72.0339, 0.3049, 0.3334



72.0339, 0.3070, 0.3173



72.0339, 0.3263, 0.3364

Complementary

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



72.0339, 0.3049, 0.3334



66.2694, 0.3212, 0.3246

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.



72.0339, 0.3251, 0.3307



72.0339, 0.3049, 0.3334



72.0339, 0.3139, 0.3198

Square

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



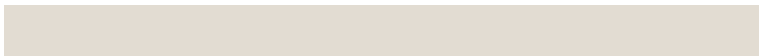
72.0339, 0.3049, 0.3334



72.0339, 0.3017, 0.3179



72.0339, 0.3206, 0.3247



72.0339, 0.3238, 0.3402

Rectangle

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



72.0339, 0.3049, 0.3334



72.0339, 0.2993, 0.3232



72.0339, 0.3206, 0.3247



72.0339, 0.3263, 0.3346

Sweetspot

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



72.0370, 0.3049, 0.3334



98.9583, 0.3103, 0.3303



72.0636, 0.3147, 0.3457



21.1921, 0.3105, 0.3302



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.



72.0370, 0.3049, 0.3334



95.9891, 0.3033, 0.3344



70.3934, 0.3024, 0.3251



15.5068, 0.3017, 0.3353



32.6184, 0.2492, 0.4173



2.2755, 0.2450, 0.4019

Inverse Universe

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



66.2694, 0.3212, 0.3246



86.7411, 0.3231, 0.3237



67.8017, 0.3237, 0.3329



13.7602, 0.3250, 0.3228



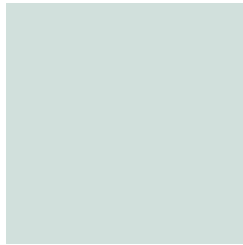
9.4284, 0.5869, 0.3007



0.6682, 0.5428, 0.2764

Previews

White Background



This preview shows how the Yxy color 72.0339, 0.3049, 0.3334 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 72.0339, 0.3049, 0.3334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

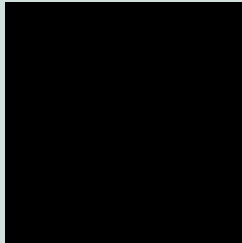
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

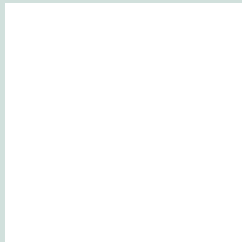
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.0339, 0.3049, 0.3334

Background



This preview shows how black text looks on a background with the Yxy color 72.0339, 0.3049, 0.3334.

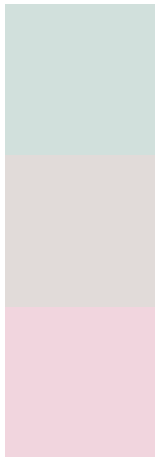


This preview shows how white text looks on a background with the Yxy color 72.0339, 0.3049, 0.3334.

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

72.0339, 0.3049, 0.3334

Protanopia

71.6803, 0.3184, 0.3312

Deuteranopia

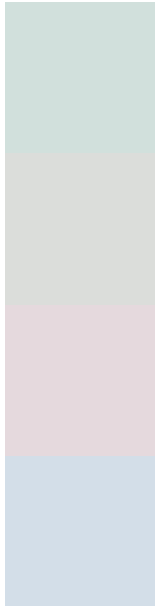
71.5632, 0.3272, 0.3197



Tritanopia

71.9419, 0.2950, 0.3095

Trichromacy



Original Color

72.0339, 0.3049, 0.3334

Protanomaly

71.8349, 0.3133, 0.3323

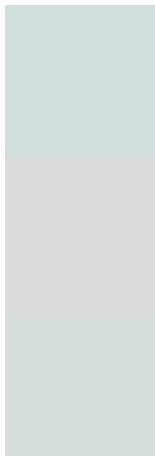
Deuteranomaly

71.5042, 0.3187, 0.3247

Tritanomaly

71.9176, 0.2987, 0.3180

Monochromacy



Original Color

72.0339, 0.3049, 0.3334

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

71.2744, 0.3098, 0.3312

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.0339, 0.3049, 0.3334 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(209, 224, 220) looks like.

```
.text, #text, p{  
    color:rgb(209, 224, 220)  
}
```

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(209, 224, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 224, 220) }
```

Border

The CSS property to change the border of an element to Yxy 72.0339, 0.3049, 0.3334 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(209, 224, 220) }
```

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

```
.border{ border-color:rgb(209, 224, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 224, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 224, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 224, 220);  
box-shadow:4px 4px 4px 4px rgb(209, 224,  
220) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 72.0339, 0.3049, 0.3334$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 224, 220) }
```

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

```
.background{ background-color: rgb(209,  
224, 220) }
```

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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