

Converting Colors

$Yxy(70.5325, 0.3019, 0.3326)$

Have a look what the booklet for
Yxy(70.5325, 0.3019, 0.3326)
contains.

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Color

Yxy(70.7272, 0.3021, 0.3335)

Conversions

Conversions Part 1

Format	Color
Hex	CCDFDB
RGB	204, 223, 219
RGB Percent	80%, 87%, 86%
CMY	0.2001, 0.1254, 0.1412
CMYK	0.09, 0.00, 0.02, 0.13
HSL	167°, 23%, 84%
HSV	167°, 9%, 87%
XYZ	64.0680, 70.7272, 77.2803
YIQ	216.8630, -10.0400, -5.2720

Conversions

Conversions Part 2

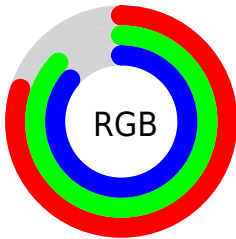
Format	Color
R_YB	204, 215, 223
Decimal	13426651
CIE Lab	87.35, -7.08, -0.21
CIE LCh	87, 7.087, 181.685
Yxy	70.7272, 0.3021, 0.3335
Android (android.graphics.Color)	4291616731 (0xFFCCDFDB)
YUV	216.8630, 1.0535, -11.2809
Hunter-Lab	84.0995, -11.1905, 4.3871

Details

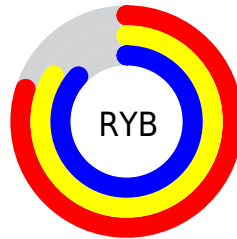
The Yxy color **70.7272, 0.3021, 0.3335** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.4176, 0.3245, 0.3245**, and the grayscale version is **69.2853, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.1696, 0.2998, 0.3349** is the 20% darker color. If you saturate the color by 10%, you get **67.5566, 0.2902, 0.3393**, and if you desaturate by 10%, it is **74.3620, 0.3146, 0.3283**.

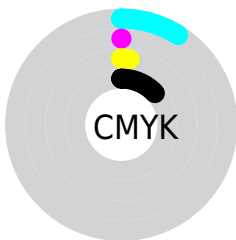
Distribution



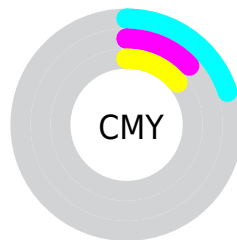
- Red (80%)
- Green (87%)
- Blue (86%)



- Red (80%)
- Yellow (84%)
- Blue (87%)



- Cyan (9%)
- Magenta (0%)
- Yellow (2%)
- Black (13%)



- Cyan (20%)
- Magenta (13%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.7272, 0.3021, 0.3335 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 70.7272, 0.3021, 0.3335 by changing the saturation by 10% instead.

■ 70.7272, 0.3021,
0.3335

■ 70.7272, 0.3021,
0.3335

463.0992, 0.3070,
0.3314

■ 52.1196, 0.3010,
0.3340

120.2452, 0.3038,
0.3328

■ 37.1004, 0.2996,
0.3346

151.9244, 0.3045,
0.3325

■ 25.2852, 0.2978,
0.3353

188.7296, 0.3051,
0.3323

■ 16.2897, 0.2954,
0.3363

231.0452, 0.3056,
0.3320

■ 9.7294, 0.2922,
0.3377

279.2555, 0.3060,
0.3319

■ 5.2199, 0.2875,
0.3396

333.7451, 0.3064,

■ 2.3769, 0.2800,

0.3317

0.3428

394.8982, 0.3067,
0.3316

0.8139, 0.2594,
0.3515

0.0000, 0.0000,
0.0000

70.7272, 0.3021,
0.3335

70.7272, 0.3021,
0.3335

67.5566, 0.2902,
0.3393

74.3620, 0.3146,
0.3283

64.8222, 0.2790,
0.3456

78.4700, 0.3273,
0.3236


62.5063, 0.2690,
0.3523

79.9345, 0.3287,
0.3190

60.5869, 0.2603,
0.3595


80.2082, 0.3255,
0.3144

 59.0397, 0.2533,
0.3670


 80.4892, 0.3223,
0.3098


 57.8377, 0.2481,
0.3747


 80.7775, 0.3192,
0.3052

 56.9505, 0.2449,
0.3825

 81.0732, 0.3161,
0.3008

 56.3419, 0.2436,
0.3903

 81.2630, 0.3142,
0.2980

 55.9582, 0.2441,
0.3980

Harmonies

Analogous

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



70.7272, 0.3100, 0.3402



70.7272, 0.3021, 0.3335



70.7272, 0.2971, 0.3256

Triad

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



70.7272, 0.3021, 0.3335



70.7272, 0.3067, 0.3147



70.7272, 0.3295, 0.3389

Complementary

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



70.7272, 0.3021, 0.3335



63.4176, 0.3245, 0.3245

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.



70.7272, 0.3286, 0.3320



70.7272, 0.3021, 0.3335



70.7272, 0.3153, 0.3182

Square

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



70.7272, 0.3021, 0.3335



70.7272, 0.2997, 0.3149



70.7272, 0.3234, 0.3245



70.7272, 0.3258, 0.3433

Rectangle

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



70.7272, 0.3021, 0.3335



70.7272, 0.2960, 0.3209



70.7272, 0.3234, 0.3245



70.7272, 0.3297, 0.3368

Sweetspot

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



70.7302, 0.3021, 0.3335



98.4740, 0.3089, 0.3306



70.5656, 0.3146, 0.3506



20.9923, 0.3079, 0.3310



0.0000, 0.0000, 0.0000



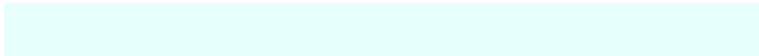
21.4041, 0.3127, 0.3290

Same Dimension

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



70.7302, 0.3021, 0.3335



95.1376, 0.3002, 0.3344



68.1077, 0.2996, 0.3229



15.5201, 0.3010, 0.3340



32.8865, 0.2439, 0.3980



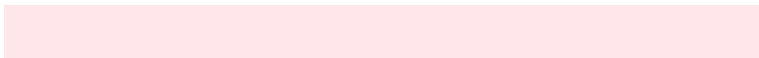
2.2921, 0.2406, 0.3860

Inverse Universe

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



63.4176, 0.3245, 0.3245



83.5680, 0.3269, 0.3237



65.8305, 0.3269, 0.3350



13.7478, 0.3259, 0.3241



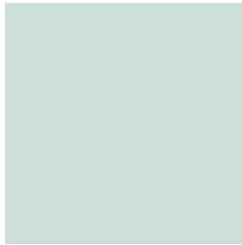
9.3594, 0.6035, 0.3098



0.6619, 0.5607, 0.2862

Previews

White Background



This preview shows how the Yxy color 70.7272, 0.3021, 0.3335 looks on a white background.

Color Contrast Check

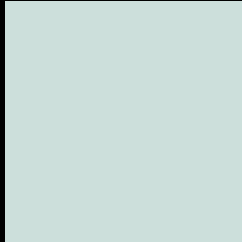
Large Text (above 18pt) WCAG AA × Fail

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 70.7272, 0.3021, 0.3335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

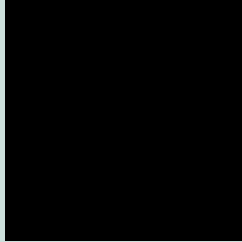
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

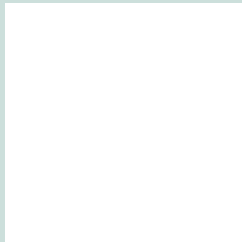
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.7272, 0.3021, 0.3335

Background



This preview shows how black text looks on a background with the Yxy color 70.7272, 0.3021, 0.3335.

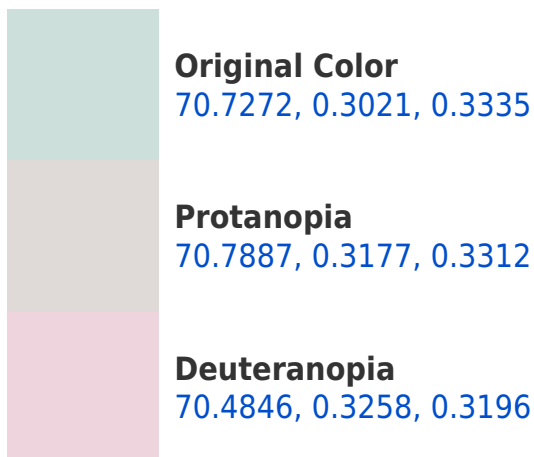


This preview shows how white text looks on a background with the Yxy color 70.7272, 0.3021, 0.3335.

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

70.6248, 0.2923, 0.3092

Trichromacy



Original Color

70.7272, 0.3021, 0.3335

Protanomaly

70.7951, 0.3118, 0.3323

Deuteranomaly

70.4478, 0.3173, 0.3247

Tritanomaly

70.6042, 0.2960, 0.3179

Monochromacy



Original Color

70.7272, 0.3021, 0.3335

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

69.7220, 0.3084, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.7272, 0.3021, 0.3335 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, 223, 219)` looks like.

```
.text, #text, p{  
    color:rgb(204, 223, 219)  
}
```

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, 223, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 223, 219) }
```

Border

The CSS property to change the border of an element to Yxy 70.7272, 0.3021, 0.3335 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, 223, 219) }
```

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

```
.border{ border-color:rgb(204, 223, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 223, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 223, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 223, 219);  
box-shadow:4px 4px 4px 4px rgb(204, 223,  
219) }
```


Background

The CSS property to change the background color of an element to $Yxy\ 70.7272, 0.3021, 0.3335$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 223, 219) }
```

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

```
.background{ background-color: rgb(204,  
223, 219) }
```

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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