

Converting Colors

$Yxy(72.4947, 0.3020, 0.3371)$

Have a look what the booklet for
Yxy(72.4947, 0.3020, 0.3371)
contains.

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Color

Yxy(72.3446, 0.3021, 0.3368)

Conversions

Conversions Part 1

Format	Color
Hex	CCE2DB
RGB	204, 226, 219
RGB Percent	80%, 89%, 86%
CMY	0.1999, 0.1137, 0.1412
CMYK	0.10, 0.00, 0.03, 0.11
HSL	161°, 27%, 84%
HSV	161°, 10%, 89%
XYZ	64.8910, 72.3446, 77.5642
YIQ	218.6240, -10.8650, -6.8410

Conversions

Conversions Part 2

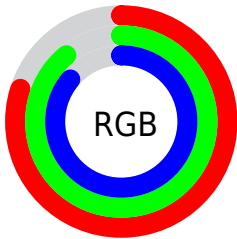
Format	Color
R_{YB}	204, 217, 226
Decimal	13427419
CIE _{Lab}	88.13, -8.58, 0.92
CIE _{LCh}	88, 8.634, 173.873
Yxy	72.3446, 0.3021, 0.3368
Android (android.graphics.Color)	4291617499 (0xFFCCE2DB)
YUV	218.6240, 0.1854, -12.8252
Hunter-Lab	85.0556, -12.6653, 5.4710

Details

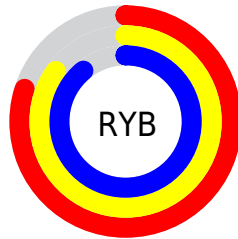
The Yxy color **72.3446, 0.3021, 0.3368** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.0737, 0.3246, 0.3213**, and the grayscale version is **70.5740, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.2902, 0.2999, 0.3393** is the 20% darker color. If you saturate the color by 10%, you get **69.0111, 0.2916, 0.3457**, and if you desaturate by 10%, it is **76.1640, 0.3130, 0.3288**.

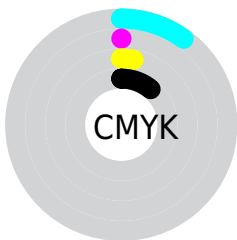
Distribution



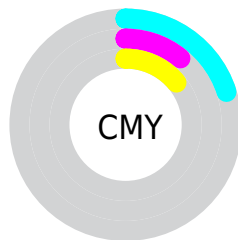
- Red (80%)
- Green (89%)
- Blue (86%)



- Red (80%)
- Yellow (85%)
- Blue (89%)



- Cyan (10%)
- Magenta (0%)
- Yellow (3%)
- Black (11%)





- Cyan (20%)
- Magenta (11%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.3446, 0.3021, 0.3368 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 72.3446, 0.3021, 0.3368 by changing the saturation by 10% instead.


 72.3446, 0.3021,
0.3368

 72.3446, 0.3021,
0.3368


468.7401, 0.3070,
0.3332

 53.4402, 0.3010,
0.3376


122.5463, 0.3038,
0.3355

 38.1543, 0.2996,
0.3387


154.6125, 0.3045,
0.3351

 26.1025, 0.2978,
0.3400

191.8347, 0.3051,
0.3346

 16.9003, 0.2955,
0.3417

234.5973, 0.3056,
0.3343

 10.1634, 0.2923,
0.3441

283.2848, 0.3060,
0.3339

 5.5075, 0.2876,
0.3476

338.2815, 0.3064,

 2.5480, 0.2802,

0.3337

0.3531

399.9718, 0.3067,
0.3334

0.9006, 0.2624,
0.3656

0.0000, 0.0000,
0.0000

72.3446, 0.3021,
0.3368

72.3446, 0.3021,
0.3368

69.0111, 0.2916,
0.3457

76.1640, 0.3130,
0.3288

66.1342, 0.2818,
0.3554


80.4790, 0.3241,
0.3216

63.6955, 0.2729,
0.3659


81.9771, 0.3234,
0.3147


61.6717, 0.2654,
0.3771


82.4146, 0.3187,
0.3078


 60.0373, 0.2595,
0.3888


 82.8692, 0.3141,
0.3009

 58.7640, 0.2554,
0.4010

 82.8709, 0.3140,
0.3009

 57.8194, 0.2533,
0.4132

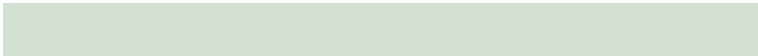
 57.1653, 0.2533,
0.4255

 56.7369, 0.2549,
0.4375

Harmonies

Analogous

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



72.3446, 0.3121, 0.3442



72.3446, 0.3021, 0.3368



72.3446, 0.2950, 0.3273

Triad

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



72.3446, 0.3021, 0.3368



72.3446, 0.3029, 0.3114



72.3446, 0.3333, 0.3390

Complementary

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



72.3446, 0.3021, 0.3368



64.0737, 0.3246, 0.3213

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.



72.3446, 0.3308, 0.3303



72.3446, 0.3021, 0.3368



72.3446, 0.3131, 0.3145

Square

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



72.3446, 0.3021, 0.3368



72.3446, 0.2955, 0.3128



72.3446, 0.3233, 0.3214



72.3446, 0.3302, 0.3453

Rectangle

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



72.3446, 0.3021, 0.3368



72.3446, 0.2928, 0.3212



72.3446, 0.3233, 0.3214



72.3446, 0.3331, 0.3362

Sweetspot

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



72.3477, 0.3021, 0.3368



98.4220, 0.3094, 0.3313



72.6533, 0.3167, 0.3536



20.9782, 0.3085, 0.3320



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.



72.3477, 0.3021, 0.3368



94.0397, 0.2996, 0.3388



70.7540, 0.2978, 0.3249



15.4942, 0.3024, 0.3366



32.3858, 0.2544, 0.4359



2.2609, 0.2493, 0.4173

Inverse Universe

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



64.0737, 0.3246, 0.3213



80.7351, 0.3279, 0.3194



65.4917, 0.3293, 0.3331



13.7721, 0.3242, 0.3216



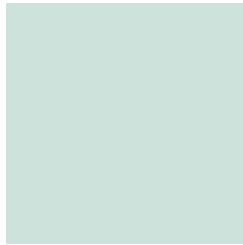
9.5099, 0.5688, 0.2907



0.6751, 0.5249, 0.2665

Previews

White Background



This preview shows how the Yxy color 72.3446, 0.3021, 0.3368 looks on a white background.

Color Contrast Check

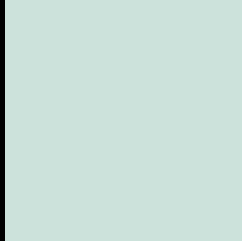
Large Text (above 18pt) WCAG AA × Fail

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 72.3446, 0.3021, 0.3368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

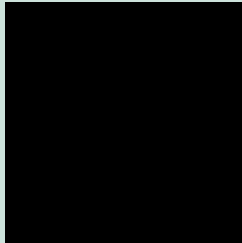
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

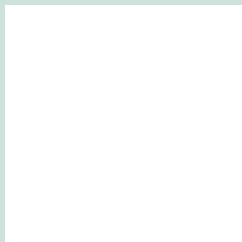
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.3446, 0.3021, 0.3368

Background



This preview shows how black text looks on a background with the Yxy color 72.3446, 0.3021, 0.3368.

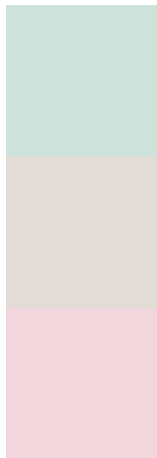


This preview shows how white text looks on a background with the Yxy color 72.3446, 0.3021, 0.3368.

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

72.3446, 0.3021, 0.3368

Protanopia

72.2614, 0.3204, 0.3344

Deuteranopia

72.1908, 0.3286, 0.3218



Tritanopia

72.4765, 0.2918, 0.3105

Trichromacy



Original Color

72.3446, 0.3021, 0.3368

Protanomaly

72.1058, 0.3138, 0.3356

Deuteranomaly

71.8041, 0.3186, 0.3269

Tritanomaly

72.4029, 0.2961, 0.3202

Monochromacy



Original Color

72.3446, 0.3021, 0.3368

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

71.6532, 0.3090, 0.3323

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.3446, 0.3021, 0.3368 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, 219) looks like.

```
.text, #text, p{  
    color:rgb(204, 226, 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, 226, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 226, 219) }
```

Border

The CSS property to change the border of an element to Yxy 72.3446, 0.3021, 0.3368 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, 219) }
```

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

```
.border{ border-color:rgb(204, 226, 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, 226, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 226, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 226, 219);  
box-shadow:4px 4px 4px 4px rgb(204, 226,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 72.3446, 0.3021, 0.3368 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, 219) }
```

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

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