

Converting Colors

$Y_{xy}(72.2609, 0.3018, 0.3370)$

Have a look what the booklet for
Yxy(72.2609, 0.3018, 0.3370)
contains.

Yxy(72.2037, 0.3014, 0.3368)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(72.2037, 0.3014, 0.3368)

Conversions

Conversions Part 1

Format	Color
Hex	CBE2DB
RGB	203, 226, 219
RGB Percent	80%, 89%, 86%
CMY	0.2039, 0.1137, 0.1411
CMYK	0.10, 0.00, 0.03, 0.11
HSL	162°, 28%, 84%
HSV	162°, 10%, 89%
XYZ	64.6146, 72.2037, 77.5632
YIQ	218.3250, -11.4610, -7.0530

Conversions

Conversions Part 2

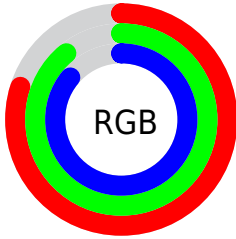
Format	Color
RYB	203, 217, 226
Decimal	13361883
CIELab	88.07, -8.92, 0.81
CIElCh	88, 8.955, 174.838
Yxy	72.2037, 0.3014, 0.3368
Android (android.graphics.Color)	4291551963 (0xFFCBE2DB)
YUV	218.3250, 0.3328, -13.4400
Hunter-Lab	84.9728, -12.9682, 5.3609

Details

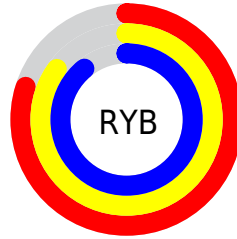
The Yxy color **72.2037, 0.3014, 0.3368** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.5371, 0.3255, 0.3213**, and the grayscale version is **70.3539, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.1957, 0.2990, 0.3393** is the 20% darker color. If you saturate the color by 10%, you get **68.9075, 0.2907, 0.3453**, and if you desaturate by 10%, it is **75.9835, 0.3125, 0.3291**.

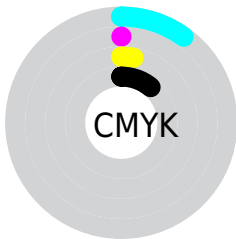
Distribution



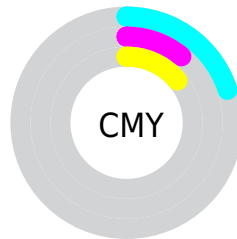
- Red (80%)
- Green (89%)
- Blue (86%)



- 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 72.2037, 0.3014, 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 72.2037, 0.3014, 0.3368 by changing the saturation by 10% instead.

■ 72.2037, 0.3014,
0.3368

■ 72.2037, 0.3014,
0.3368

468.2503, 0.3067,
0.3332

■ 53.3251, 0.3002,
0.3376

122.3461, 0.3032,
0.3355

■ 38.0624, 0.2987,
0.3387

154.3787, 0.3039,
0.3351

■ 26.0311, 0.2968,
0.3400

191.5647, 0.3045,
0.3346

■ 16.8469, 0.2943,
0.3417

234.2886, 0.3051,
0.3343

■ 10.1254, 0.2909,
0.3441

282.9347, 0.3055,
0.3339

■ 5.4822, 0.2859,
0.3475

337.8874, 0.3060,

■ 2.5329, 0.2781,

0.3337

0.3531

399.5311, 0.3063,
0.3334

0.8930, 0.2586,
0.3660

0.0000, 0.0000,
0.0000

72.2037, 0.3014,
0.3368

72.2037, 0.3014,
0.3368

68.9075, 0.2907,
0.3453

75.9835, 0.3125,
0.3291

66.0655, 0.2808,
0.3546

80.2565, 0.3238,
0.3223


63.6593, 0.2718,
0.3646


81.9211, 0.3241,
0.3156

61.6655, 0.2643,
0.3753


82.3356, 0.3196,
0.3090


 60.0586, 0.2583,
0.3864


 82.7658, 0.3151,
0.3025

 58.8101, 0.2542,
0.3979

 82.8735, 0.3140,
0.3009

 57.8874, 0.2520,
0.4096

 57.2519, 0.2519,
0.4212

 56.8416, 0.2535,
0.4324

Harmonies

Analogous

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



72.2037, 0.3117, 0.3446



72.2037, 0.3014, 0.3368



72.2037, 0.2942, 0.3270

Triad

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



72.2037, 0.3014, 0.3368



72.2037, 0.3028, 0.3107



72.2037, 0.3341, 0.3396

Complementary

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



72.2037, 0.3014, 0.3368



63.5371, 0.3255, 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.



72.2037, 0.3316, 0.3306



72.2037, 0.3014, 0.3368



72.2037, 0.3134, 0.3141

Square

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



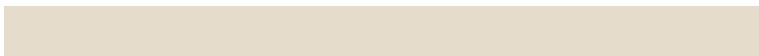
72.2037, 0.3014, 0.3368



72.2037, 0.2950, 0.3120



72.2037, 0.3240, 0.3214



72.2037, 0.3307, 0.3460

Rectangle

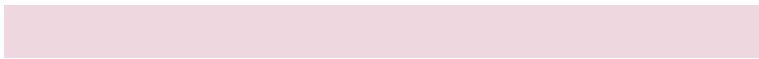
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.2037, 0.3014, 0.3368



72.2037, 0.2920, 0.3207



72.2037, 0.3240, 0.3214



72.2037, 0.3339, 0.3368

Sweetspot

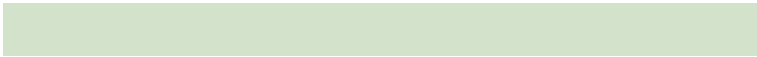
The Sweet Spot groups the original color and five complimentary colors.



72.2067, 0.3014, 0.3368



98.4292, 0.3093, 0.3312



72.4498, 0.3166, 0.3549



20.9802, 0.3084, 0.3318



0.0000, 0.0000, 0.0000



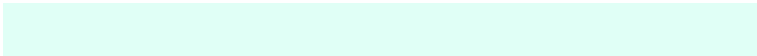
21.4041, 0.3127, 0.3290

Same Dimension

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



72.2067, 0.3014, 0.3368



94.0674, 0.2993, 0.3384



70.3176, 0.2971, 0.3242



15.4978, 0.3022, 0.3362



32.4497, 0.2529, 0.4306



2.2649, 0.2480, 0.4129

Inverse Universe

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



63.5371, 0.3255, 0.3213



80.7092, 0.3282, 0.3198



65.2152, 0.3301, 0.3337



13.7687, 0.3245, 0.3219



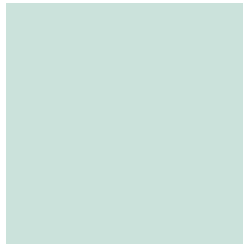
9.4851, 0.5741, 0.2936



0.6730, 0.5301, 0.2694

Previews

White Background



This preview shows how the Yxy color 72.2037, 0.3014, 0.3368 looks on a white background.

Color Contrast Check

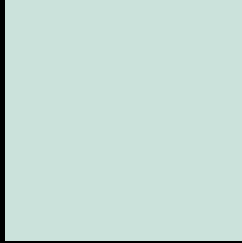
Large Text (above 18pt) WCAG AA × Fail

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 72.2037, 0.3014, 0.3368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

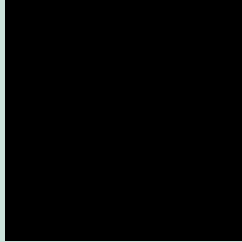
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

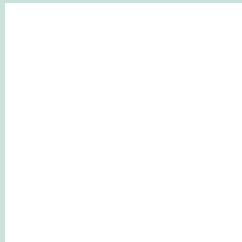
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.2037, 0.3014, 0.3368

Background



This preview shows how black text looks on a background with the Yxy color 72.2037, 0.3014, 0.3368.

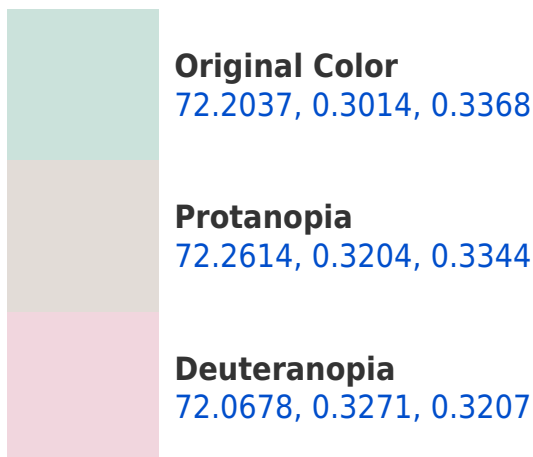


This preview shows how white text looks on a background with the Yxy color 72.2037, 0.3014, 0.3368.

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

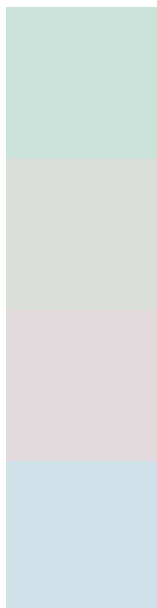




Tritanopia

72.3320, 0.2912, 0.3104

Trichromacy



Original Color

72.2037, 0.3014, 0.3368

Protanomaly

72.1058, 0.3138, 0.3356

Deuteranomaly

71.6942, 0.3172, 0.3258

Tritanomaly

72.2593, 0.2954, 0.3201

Monochromacy



Original Color

72.2037, 0.3014, 0.3368

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

70.9210, 0.3090, 0.3323

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.2037, 0.3014, 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(203, 226, 219)` looks like.

```
.text, #text, p{  
    color:rgb(203, 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(203, 226, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 226, 219) }
```

Border

The CSS property to change the border of an element to Yxy 72.2037, 0.3014, 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(203, 226, 219) }
```

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

```
.border{ border-color:rgb(203, 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(203, 226, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 226, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 226, 219);  
box-shadow:4px 4px 4px 4px rgb(203, 226,  
219) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 72.2037, 0.3014, 0.3368$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 226, 219) }
```

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

```
.background{ background-color: rgb(203,  
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](#).

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