

Converting Colors

$Yxy(72.3731, 0.2934, 0.3212)$

Have a look what the booklet for
Yxy(72.3731, 0.2934, 0.3212)
contains.

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Color

Yxy(72.3731, 0.2934, 0.3212)

Conversions

Conversions Part 1

Format	Color
Hex	CBE1E8
RGB	203, 225, 232
RGB Percent	80%, 88%, 91%
CMY	0.2041, 0.1176, 0.0901
CMYK	0.13, 0.03, 0.00, 0.09
HSL	194°, 39%, 85%
HSV	194°, 13%, 91%
XYZ	66.1092, 72.3731, 86.8387
YIQ	219.2200, -15.3590, -2.4870

Conversions

Conversions Part 2

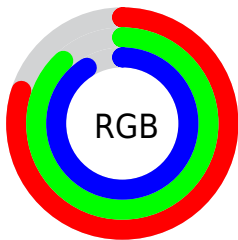
Format	Color
R _Y B	203, 216, 232
Decimal	13361640
CIE Lab	88.15, -5.91, -5.91
CIE LCh	88, 8.353, 225.011
Yxy	72.3731, 0.2934, 0.3212
Android (android.graphics.Color)	4291551720 (0xFFCBE1E8)
YUV	219.2200, 6.3005, -14.2249
Hunter-Lab	85.0724, -10.1655, -0.9703

Details

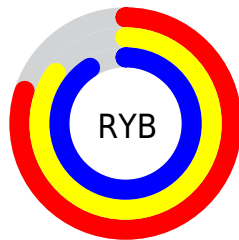
The Yxy color **72.3731, 0.2934, 0.3212** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.5314, 0.3345, 0.3367**, and the grayscale version is **70.9586, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.2736, 0.2895, 0.3202** is the 20% darker color. If you saturate the color by 10%, you get **66.3896, 0.2782, 0.3143**, and if you desaturate by 10%, it is **78.9488, 0.3088, 0.3275**.

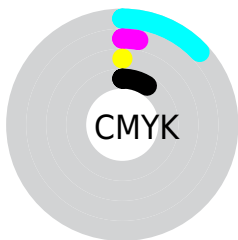
Distribution



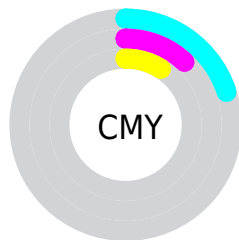
- Red (80%)
- Green (88%)
- Blue (91%)



- Red (80%)
- Yellow (85%)
- Blue (91%)



- Cyan (13%)
- Magenta (3%)
- Yellow (0%)
- Black (9%)



- Cyan (20%)
- Magenta (12%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.3731, 0.2934, 0.3212 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 72.3731, 0.2934, 0.3212 by changing the saturation by 10% instead.

■ 72.3731, 0.2934,
0.3212

■ 72.3731, 0.2934,
0.3212

468.8392, 0.3023,
0.3249

■ 53.4635, 0.2914,
0.3203

122.5868, 0.2965,
0.3225

■ 38.1729, 0.2889,
0.3193

154.6598, 0.2977,
0.3230

■ 26.1169, 0.2857,
0.3179

191.8893, 0.2987,
0.3234

■ 16.9111, 0.2816,
0.3161

234.6597, 0.2996,
0.3238

■ 10.1712, 0.2760,
0.3136

283.3556, 0.3004,
0.3241

■ 5.5126, 0.2679,
0.3099

338.3612, 0.3011,

■ 2.5510, 0.2554,

0.3244

0.3038

400.0609, 0.3017,
0.3247

0.9021, 0.2317,
0.2931

0.0000, 0.0000,
0.0000

72.3731, 0.2934,
0.3212

72.3731, 0.2934,
0.3212

66.3896, 0.2782,
0.3143

78.9488, 0.3088,
0.3275

60.9667, 0.2636,
0.3068

86.1288, 0.3242,
0.3332

56.0832, 0.2499,
0.2988

90.4544, 0.3275,
0.3386

51.7131, 0.2375,
0.2903

93.8252, 0.3269,
0.3440

■ 47.8277, 0.2265,
0.2816

■ 97.2983, 0.3264,
0.3493

■ 44.3948, 0.2174,
0.2726

■ 98.6070, 0.3262,
0.3512

■ 41.3777, 0.2103,
0.2636

■ 38.7322, 0.2051,
0.2546

■ 36.9467, 0.2022,
0.2480

Harmonies

Analogous

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



72.3731, 0.2972, 0.3302



72.3731, 0.2934, 0.3212



72.3731, 0.2947, 0.3146

Triad

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



72.3731, 0.2934, 0.3212



72.3731, 0.3202, 0.3194



72.3731, 0.3247, 0.3466

Complementary

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



72.3731, 0.2934, 0.3212



67.5314, 0.3345, 0.3367

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.



72.3731, 0.3310, 0.3433



72.3731, 0.2934, 0.3212



72.3731, 0.3285, 0.3276

Square

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



72.3731, 0.2934, 0.3212



72.3731, 0.3100, 0.3136



72.3731, 0.3324, 0.3363



72.3731, 0.3152, 0.3450

Rectangle

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



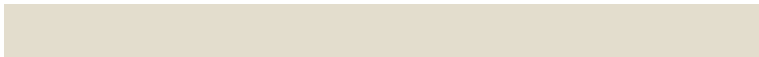
72.3731, 0.2934, 0.3212



72.3731, 0.2982, 0.3123



72.3731, 0.3324, 0.3363



72.3731, 0.3273, 0.3460

Sweetspot

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



72.3761, 0.2934, 0.3212



96.5602, 0.3065, 0.3266



75.0498, 0.3070, 0.3541



20.5323, 0.3053, 0.3261



0.0000, 0.0000, 0.0000



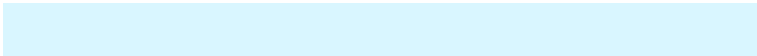
21.4041, 0.3127, 0.3290

Same Dimension

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



72.3761, 0.2934, 0.3212



87.7200, 0.2895, 0.3195



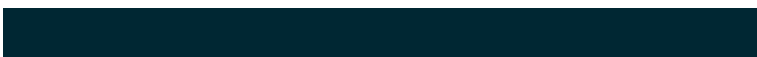
64.9537, 0.2930, 0.3050



15.7177, 0.2981, 0.3232



20.7136, 0.2026, 0.2495



1.6721, 0.2062, 0.2624

Inverse Universe

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



65.2813, 0.3192, 0.3054



77.3981, 0.3206, 0.3005



74.9200, 0.3325, 0.3519



14.5528, 0.3174, 0.3113



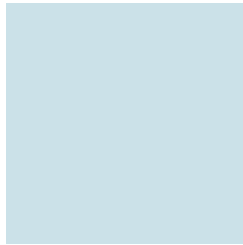
11.2888, 0.3928, 0.1937



0.8485, 0.3801, 0.1867

Previews

White Background



This preview shows how the Yxy color 72.3731, 0.2934, 0.3212 looks on a white background.

Color Contrast Check

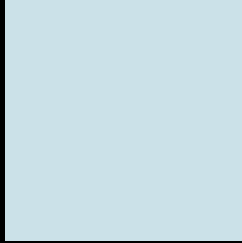
Large Text (above 18pt) WCAG AA × Fail

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 72.3731, 0.2934, 0.3212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

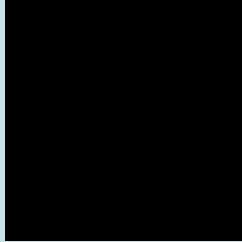
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

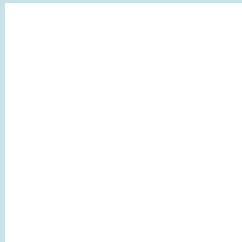
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.3731, 0.2934, 0.3212

Background



This preview shows how black text looks on a background with the Yxy color 72.3731, 0.2934, 0.3212.

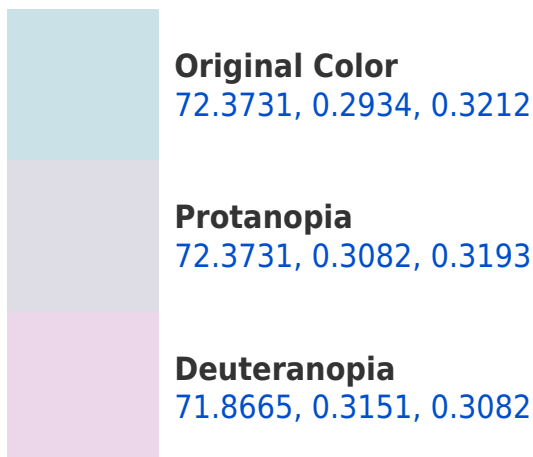


This preview shows how white text looks on a background with the Yxy color 72.3731, 0.2934, 0.3212.

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

72.6413, 0.2893, 0.3104

Trichromacy



Original Color

72.3731, 0.2934, 0.3212

Protanomaly

72.4028, 0.3027, 0.3203

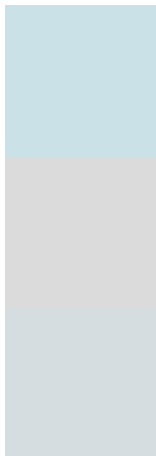
Deuteranomaly

71.8733, 0.3071, 0.3130

Tritanomaly

72.3217, 0.2905, 0.3136

Monochromacy



Original Color

72.3731, 0.2934, 0.3212

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

71.2409, 0.3052, 0.3257

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.3731, 0.2934, 0.3212 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, 225, 232)` looks like.

```
.text, #text, p{  
    color:rgb(203, 225, 232)  
}
```

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, 225, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 225, 232) }
```

Border

The CSS property to change the border of an element to Yxy 72.3731, 0.2934, 0.3212 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, 225, 232) }
```

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

```
.border{ border-color:rgb(203, 225, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 225, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 225, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 225, 232);  
box-shadow:4px 4px 4px 4px rgb(203, 225,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 72.3731, 0.2934, 0.3212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 225, 232) }
```

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

```
.background{ background-color: rgb(203,  
225, 232) }
```

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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