

Converting Colors

$Y_{xy}(72.4271, 0.2987, 0.3314)$

Have a look what the booklet for
Yxy(72.4271, 0.2987, 0.3314)
contains.

Yxy(72.4710, 0.2983, 0.3312)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(72.4710, 0.2983, 0.3312)

Conversions

Conversions Part 1

Format	Color
Hex	CBE2E0
RGB	203, 226, 224
RGB Percent	80%, 89%, 88%
CMY	0.2041, 0.1137, 0.1216
CMYK	0.10, 0.00, 0.01, 0.11
HSL	175°, 28%, 84%
HSV	175°, 10%, 89%
XYZ	65.2720, 72.4710, 81.0704
YIQ	218.8950, -13.0660, -5.4980

Conversions

Conversions Part 2

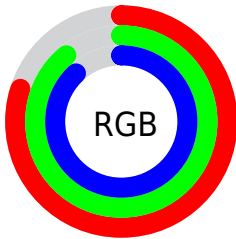
Format	Color
R _Y B	203, 215, 226
Decimal	13361888
CIE Lab	88.19, -7.99, -1.63
CIE LCh	88, 8.150, 191.507
Yxy	72.4710, 0.2983, 0.3312
Android (android.graphics.Color)	4291551968 (0xFFCBE2E0)
YUV	218.8950, 2.5168, -13.9399
Hunter-Lab	85.1299, -12.1152, 3.1283

Details

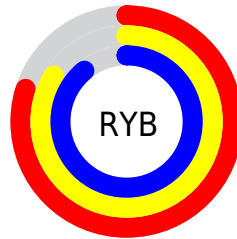
The Yxy color **72.4710, 0.2983, 0.3312** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.2726, 0.3292, 0.3268**, and the grayscale version is **70.7487, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.3800, 0.2950, 0.3319** is the 20% darker color. If you saturate the color by 10%, you get **69.4231, 0.2849, 0.3336**, and if you desaturate by 10%, it is **75.9888, 0.3124, 0.3290**.

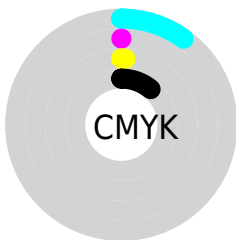
Distribution



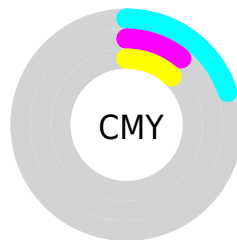
- Red (80%)
- Green (89%)
- Blue (88%)



- Red (80%)
- Yellow (84%)
- Blue (89%)



- Cyan (10%)
- Magenta (0%)
- Yellow (1%)
- Black (11%)



- Cyan (20%)
- Magenta (11%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.4710, 0.2983, 0.3312 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 72.4710, 0.2983, 0.3312 by changing the saturation by 10% instead.

■ 72.4710, 0.2983,
0.3312

■ 72.4710, 0.2983,
0.3312

469.1793, 0.3050,
0.3302

■ 53.5435, 0.2968,
0.3314

122.7259, 0.3006,
0.3309

■ 38.2368, 0.2949,
0.3317

154.8222, 0.3015,
0.3307

■ 26.1666, 0.2925,
0.3320

192.0768, 0.3023,
0.3306

■ 16.9483, 0.2894,
0.3324

234.8742, 0.3030,
0.3305

■ 10.1976, 0.2851,
0.3330

283.5987, 0.3036,
0.3304

■ 5.5302, 0.2790,
0.3338

338.6348, 0.3041,

■ 2.5616, 0.2694,

0.3304

400.3669, 0.3045,
0.3303

0.3349

0.9074, 0.2487,
0.3382

0.0000, 0.0000,
0.0000

72.4710, 0.2983,
0.3312

72.4710, 0.2983,
0.3312

69.4231, 0.2849,
0.3336

75.9888, 0.3124,
0.3290

66.8159, 0.2726,
0.3361


79.9861, 0.3270,
0.3271


64.6313, 0.2615,
0.3388


81.3692, 0.3305,
0.3252


62.8459, 0.2521,
0.3417


81.4806, 0.3292,
0.3232

 61.4345, 0.2444,
0.3446


 81.5932, 0.3279,
0.3213


 60.3686, 0.2386,
0.3476

 81.7071, 0.3266,
0.3193


 59.6160, 0.2348,
0.3506

 81.8223, 0.3253,
0.3174

 59.1382, 0.2328,
0.3535

 81.9387, 0.3239,
0.3155

 58.8712, 0.2323,
0.3564

 82.0564, 0.3226,
0.3136

Harmonies

Analogous

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



72.4710, 0.3064, 0.3396



72.4710, 0.2983, 0.3312



72.4710, 0.2941, 0.3223

Triad

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



72.4710, 0.2983, 0.3312



72.4710, 0.3089, 0.3136



72.4710, 0.3310, 0.3423

Complementary

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



72.4710, 0.2983, 0.3312



63.2726, 0.3292, 0.3268

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.



72.4710, 0.3318, 0.3352



72.4710, 0.2983, 0.3312



72.4710, 0.3189, 0.3188

Square

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



72.4710, 0.2983, 0.3312



72.4710, 0.3001, 0.3124



72.4710, 0.3273, 0.3266



72.4710, 0.3253, 0.3460

Rectangle

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



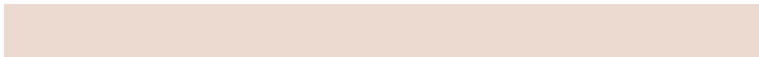
72.4710, 0.2983, 0.3312



72.4710, 0.2939, 0.3174



72.4710, 0.3273, 0.3266



72.4710, 0.3319, 0.3402

Sweetspot

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



72.4740, 0.2983, 0.3312



98.5349, 0.3084, 0.3296



71.7281, 0.3131, 0.3552



21.0088, 0.3072, 0.3298



0.0000, 0.0000, 0.0000



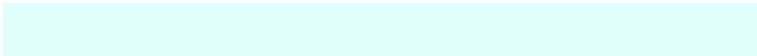
21.4041, 0.3127, 0.3290

Same Dimension

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



72.4740, 0.2983, 0.3312



94.4805, 0.2957, 0.3316



67.7030, 0.2970, 0.3186



15.5506, 0.2993, 0.3310



33.5901, 0.2322, 0.3560



2.3344, 0.2309, 0.3514

Inverse Universe

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



63.2726, 0.3292, 0.3268



80.3365, 0.3327, 0.3264



67.6603, 0.3295, 0.3392



13.7199, 0.3278, 0.3270



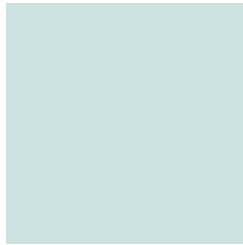
9.2598, 0.6299, 0.3244



0.6486, 0.6039, 0.3100

Previews

White Background



This preview shows how the Yxy color 72.4710, 0.2983, 0.3312 looks on a white background.

Color Contrast Check

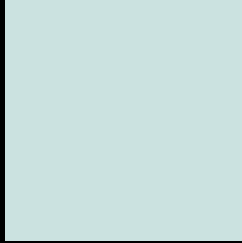
Large Text (above 18pt) WCAG AA × Fail

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 72.4710, 0.2983, 0.3312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

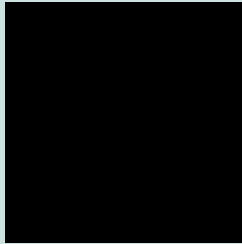
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

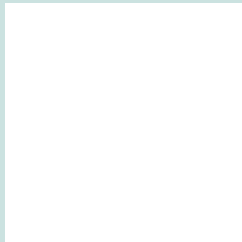
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.4710, 0.2983, 0.3312

Background



This preview shows how black text looks on a background with the Yxy color 72.4710, 0.2983, 0.3312.

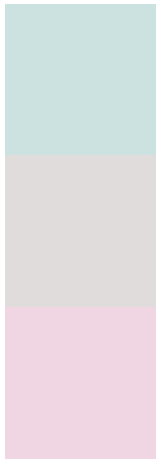


This preview shows how white text looks on a background with the Yxy color 72.4710, 0.2983, 0.3312.

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**

72.4710, 0.2983, 0.3312

Protanopia

72.3613, 0.3163, 0.3290

Deuteranopia

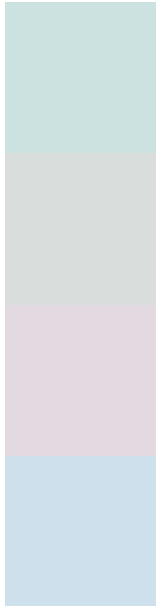
72.1094, 0.3236, 0.3165



Tritanopia

72.2480, 0.2899, 0.3093

Trichromacy



Original Color

72.4710, 0.2983, 0.3312

Protanomaly

72.2147, 0.3099, 0.3301

Deuteranomaly

71.9099, 0.3145, 0.3215

Tritanomaly

72.2886, 0.2929, 0.3169

Monochromacy



Original Color

72.4710, 0.2983, 0.3312

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

71.6091, 0.3071, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.4710, 0.2983, 0.3312 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, 224)` looks like.

```
.text, #text, p{  
    color:rgb(203, 226, 224)  
}
```

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, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 226, 224) }
```

Border

The CSS property to change the border of an element to Yxy 72.4710, 0.2983, 0.3312 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, 224) }
```

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

```
.border{ border-color:rgb(203, 226, 224) }
```

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, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 226, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 226, 224);  
box-shadow:4px 4px 4px 4px rgb(203, 226,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 72.4710, 0.2983, 0.3312 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, 224) }
```

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

```
.background{ background-color: rgb(203,  
226, 224) }
```

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