

Converting Colors

$Y_{xy}(70.3631, 0.2981, 0.3320)$

Have a look what the booklet for
Yxy(70.3631, 0.2981, 0.3320)
contains.

Yxy(70.2752, 0.2981, 0.3312)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.2752, 0.2981, 0.3312)

Conversions

Conversions Part 1

Format	Color
Hex	C8DFDD
RGB	200, 223, 221
RGB Percent	78%, 87%, 87%
CMY	0.2159, 0.1254, 0.1332
CMYK	0.10, 0.00, 0.01, 0.13
HSL	175°, 26%, 83%
HSV	175°, 10%, 87%
XYZ	63.2519, 70.2752, 78.6565
YIQ	215.8950, -13.0660, -5.4980

Conversions

Conversions Part 2

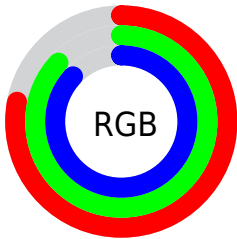
Format	Color
R _Y B	200, 212, 223
Decimal	13164509
CIE Lab	87.13, -8.00, -1.64
CIE LCh	87, 8.169, 191.592
Yxy	70.2752, 0.2981, 0.3312
Android (android.graphics.Color)	4291354589 (0xFFC8DFDD)
YUV	215.8950, 2.5168, -13.9399
Hunter-Lab	83.8303, -12.0206, 3.0505

Details

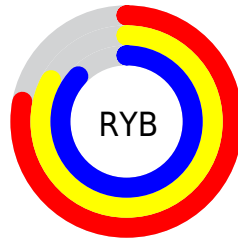
The Yxy color **70.2752, 0.2981, 0.3312** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **61.2395, 0.3295, 0.3268**, and the grayscale version is **68.5813, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.8694, 0.2947, 0.3319** is the 20% darker color. If you saturate the color by 10%, you get **67.3272, 0.2847, 0.3335**, and if you desaturate by 10%, it is **73.6781, 0.3122, 0.3291**.

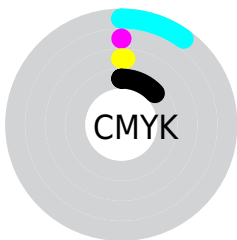
Distribution



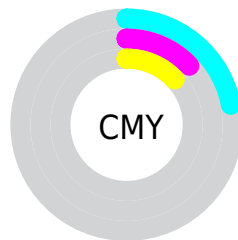
- Red (78%)
- Green (87%)
- Blue (87%)



- Red (78%)
- Yellow (83%)
- Blue (87%)



- Cyan (10%)
- Magenta (0%)
- Yellow (1%)
- Black (13%)



- Cyan (22%)
- Magenta (13%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.2752, 0.2981, 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 70.2752, 0.2981, 0.3312 by changing the saturation by 10% instead.

■ 70.2752, 0.2981,
0.3312

■ 70.2752, 0.2981,
0.3312

461.5157, 0.3049,
0.3302

■ 51.7509, 0.2965,
0.3314

119.6011, 0.3005,
0.3309

■ 36.8066, 0.2946,
0.3317

151.1716, 0.3014,
0.3307

■ 25.0578, 0.2922,
0.3320

187.8595, 0.3022,
0.3306

■ 16.1201, 0.2889,
0.3325

230.0494, 0.3029,
0.3305

■ 9.6092, 0.2845,
0.3330

278.1255, 0.3035,
0.3304

■ 5.1406, 0.2781,
0.3338

332.4723, 0.3040,

■ 2.3300, 0.2678,

0.3303

393.4743, 0.3045,
0.3303

0.3350

0.7895, 0.2394,
0.3405

0.0000, 0.0000,
0.0000

70.2752, 0.2981,
0.3312

70.2752, 0.2981,
0.3312

67.3272, 0.2847,
0.3335

73.6781, 0.3122,
0.3291

64.8060, 0.2724,
0.3360


77.5451, 0.3268,
0.3271


62.6938, 0.2613,
0.3387


79.5774, 0.3330,
0.3253

60.9681, 0.2519,
0.3415


79.6839, 0.3317,
0.3234


 59.6043, 0.2442,
0.3444


 79.7916, 0.3304,
0.3215


 58.5750, 0.2385,
0.3474


 79.9004, 0.3291,
0.3196


 57.8488, 0.2347,
0.3503

 80.0105, 0.3278,
0.3177

 57.3885, 0.2327,
0.3532

 80.1218, 0.3265,
0.3158

 57.1336, 0.2322,
0.3560

 80.2342, 0.3252,
0.3139

Harmonies

Analogous

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



70.2752, 0.3063, 0.3397



70.2752, 0.2981, 0.3312



70.2752, 0.2938, 0.3222

Triad

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



70.2752, 0.2981, 0.3312



70.2752, 0.3089, 0.3134



70.2752, 0.3312, 0.3425

Complementary

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



70.2752, 0.2981, 0.3312



61.2395, 0.3295, 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.



70.2752, 0.3320, 0.3353



70.2752, 0.2981, 0.3312



70.2752, 0.3190, 0.3187

Square

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



70.2752, 0.2981, 0.3312



70.2752, 0.3000, 0.3122



70.2752, 0.3275, 0.3266



70.2752, 0.3254, 0.3462

Rectangle

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



70.2752, 0.2981, 0.3312



70.2752, 0.2937, 0.3173



70.2752, 0.3275, 0.3266



70.2752, 0.3321, 0.3404

Sweetspot

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



70.2782, 0.2981, 0.3312



98.5355, 0.3084, 0.3296



69.5440, 0.3131, 0.3556



21.0090, 0.3072, 0.3298



0.0000, 0.0000, 0.0000



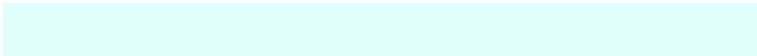
21.4041, 0.3127, 0.3290

Same Dimension

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



70.2782, 0.2981, 0.3312



94.4828, 0.2957, 0.3316



65.5889, 0.2968, 0.3184



15.5509, 0.2993, 0.3310



33.5973, 0.2321, 0.3556



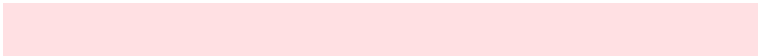
2.3349, 0.2309, 0.3511

Inverse Universe

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



61.2395, 0.3295, 0.3268



80.3345, 0.3327, 0.3264



65.5470, 0.3298, 0.3393



13.7196, 0.3279, 0.3270



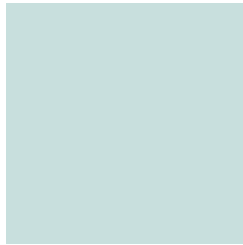
9.2592, 0.6301, 0.3245



0.6485, 0.6044, 0.3103

Previews

White Background



This preview shows how the Yxy color 70.2752, 0.2981, 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 70.2752, 0.2981, 0.3312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

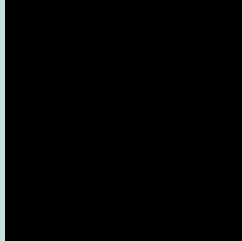
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

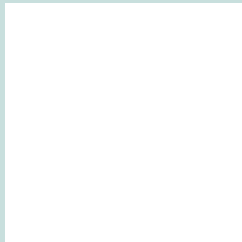
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.2752, 0.2981, 0.3312

Background



This preview shows how black text looks on a background with the Yxy color 70.2752, 0.2981, 0.3312.

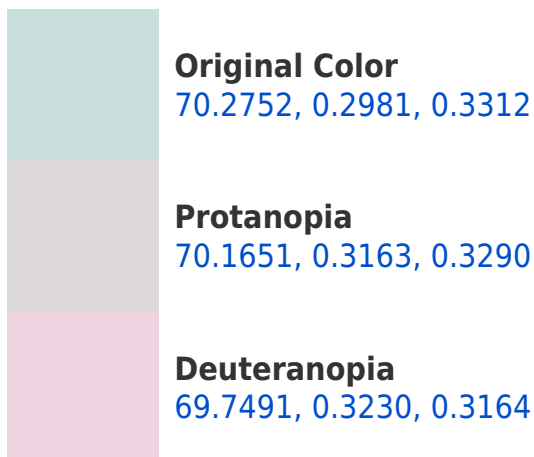


This preview shows how white text looks on a background with the Yxy color 70.2752, 0.2981, 0.3312.

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

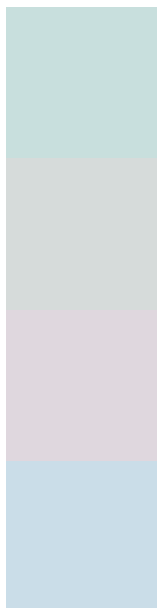




Tritanopia

70.0560, 0.2897, 0.3091

Trichromacy



Original Color

70.2752, 0.2981, 0.3312

Protanomaly

70.0211, 0.3098, 0.3301

Deuteranomaly

69.5628, 0.3138, 0.3214

Tritanomaly

70.0957, 0.2927, 0.3167

Monochromacy



Original Color

70.2752, 0.2981, 0.3312

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

69.4266, 0.3070, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.2752, 0.2981, 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(200, 223, 221)` looks like.

```
.text, #text, p{  
    color:rgb(200, 223, 221)  
}
```

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(200, 223, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 223, 221) }
```

Border

The CSS property to change the border of an element to Yxy 70.2752, 0.2981, 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(200, 223, 221) }
```

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

```
.border{ border-color:rgb(200, 223, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 223, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(200, 223, 221); -webkit-box-shadow:4px 4px 4px 4px rgb(200, 223, 221); box-shadow:4px 4px 4px 4px rgb(200, 223, 221) }
```


Background

The CSS property to change the background color of an element to Yxy 70.2752, 0.2981, 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(200, 223, 221) }
```

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

```
.background{ background-color: rgb(200,  
223, 221) }
```

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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