

Converting Colors

$Yxy(67.5881, 0.2901, 0.3311)$

Have a look what the booklet for
Yxy(67.5881, 0.2901, 0.3311)
contains.

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Color

Yxy(67.4450, 0.2901, 0.3301)

Conversions

Conversions Part 1

Format	Color
Hex	BBDDDC
RGB	187, 221, 220
RGB Percent	73%, 87%, 86%
CMY	0.2666, 0.1333, 0.1373
CMYK	0.15, 0.00, 0.00, 0.13
HSL	178°, 33%, 80%
HSV	178°, 15%, 87%
XYZ	59.2723, 67.4450, 77.5995
YIQ	210.7200, -19.9430, -7.5190

Conversions

Conversions Part 2

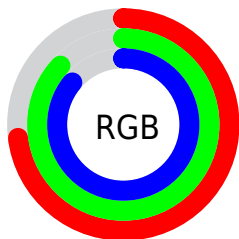
Format	Color
RYB	187, 204, 221
Decimal	12312028
CIELab	85.73, -11.31, -3.25
CIELCh	86, 11.765, 196.055
Yxy	67.4450, 0.2901, 0.3301
Android (android.graphics.Color)	4290502108 (0xFFBBDDDC)
YUV	210.7200, 4.5750, -20.8024
Hunter-Lab	82.1249, -14.8891, 1.4645

Details

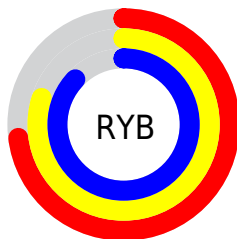
The Yxy color **67.4450, 0.2901, 0.3301** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.5571, 0.3407, 0.3279**, and the grayscale version is **64.9305, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9731, 0.3060, 0.3290**, and **34.9756, 0.2844, 0.3305** is the 20% darker color. If you saturate the color by 10%, you get **64.8365, 0.2766, 0.3309**, and if you desaturate by 10%, it is **70.4881, 0.3046, 0.3294**.

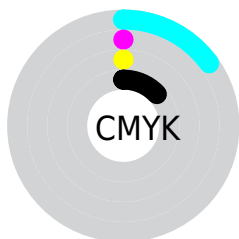
Distribution



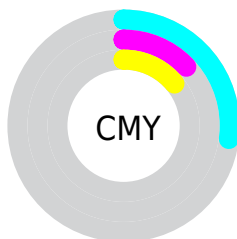
- Red (73%)
- Green (87%)
- Blue (86%)



- Red (73%)
- Yellow (80%)
- Blue (87%)



- Cyan (15%)
- Magenta (0%)
- Yellow (0%)
- Black (13%)



- Cyan (27%)
- Magenta (13%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.4450, 0.2901, 0.3301 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 67.4450, 0.2901, 0.3301 by changing the saturation by 10% instead.


 67.4450, 0.2901,
0.3301

 67.4450, 0.2901,
0.3301


451.5271, 0.3007,
0.3297

 49.4464, 0.2877,
0.3302

 115.5578, 0.2938,
0.3300

 34.9737, 0.2846,
0.3303

146.4408, 0.2952,
0.3299

 23.6426, 0.2808,
0.3304


182.3873, 0.2964,
0.3299

 15.0687, 0.2757,
0.3305

223.7818, 0.2975,
0.3298

 8.8676, 0.2687,
0.3305

271.0086, 0.2984,
0.3298

 4.6549, 0.2585,
0.3305

324.4522, 0.2993,

 2.0463, 0.2423,

0.3297

0.3302

384.4969, 0.3000,
0.3297

0.6341, 0.1739,
0.3375

0.0000, 0.0000,
0.0000

67.4450, 0.2901,
0.3301

67.4450, 0.2901,
0.3301

64.8365, 0.2766,
0.3309

70.4881, 0.3046,
0.3294

62.6348, 0.2643,
0.3318


73.9759, 0.3198,
0.3287


60.8215, 0.2536,
0.3327

77.9282, 0.3354,
0.3281

59.3738, 0.2446,
0.3336


78.2790, 0.3362,
0.3275


 58.2662, 0.2375,
0.3346

 78.3142, 0.3357,
0.3268


 57.4703, 0.2324,
0.3355


 78.3496, 0.3353,
0.3261

 56.9527, 0.2291,
0.3365

 78.3851, 0.3348,
0.3255

 56.6727, 0.2276,
0.3374

 78.4207, 0.3344,
0.3248

 56.5912, 0.2272,
0.3379

 78.4565, 0.3339,
0.3242

Harmonies

Analogous

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



67.4450, 0.3012, 0.3431



67.4450, 0.2901, 0.3301



67.4450, 0.2849, 0.3172

Triad

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



67.4450, 0.2901, 0.3301



67.4450, 0.3093, 0.3072



67.4450, 0.3390, 0.3498

Complementary

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



67.4450, 0.2901, 0.3301



54.5571, 0.3407, 0.3279

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.



67.4450, 0.3413, 0.3398



67.4450, 0.2901, 0.3301



67.4450, 0.3240, 0.3155

Square

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



67.4450, 0.2901, 0.3301



67.4450, 0.2958, 0.3044



67.4450, 0.3358, 0.3273



67.4450, 0.3295, 0.3545

Rectangle

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



67.4450, 0.2901, 0.3301



67.4450, 0.2855, 0.3104



67.4450, 0.3358, 0.3273



67.4450, 0.3406, 0.3469

Sweetspot

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



67.4478, 0.2901, 0.3301



97.6373, 0.3051, 0.3293



66.0133, 0.3116, 0.3699



20.8300, 0.3041, 0.3294



0.0000, 0.0000, 0.0000



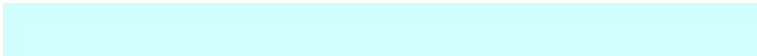
21.4041, 0.3127, 0.3290

Same Dimension

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



67.4478, 0.2901, 0.3301



92.2228, 0.2862, 0.3303



59.5214, 0.2888, 0.3101



14.8226, 0.2986, 0.3297



32.8781, 0.2272, 0.3377



2.1321, 0.2267, 0.3362

Inverse Universe

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



54.5571, 0.3407, 0.3279



71.5860, 0.3468, 0.3277



61.6170, 0.3387, 0.3472



13.0577, 0.3287, 0.3284



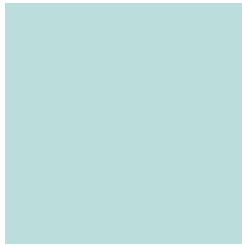
8.9411, 0.6367, 0.3281



0.5815, 0.6266, 0.3225

Previews

White Background



This preview shows how the Yxy color 67.4450, 0.2901, 0.3301 looks on a white background.

Color Contrast Check

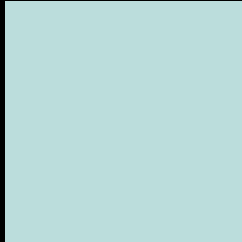
Large Text (above 18pt) WCAG AA × Fail

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 67.4450, 0.2901, 0.3301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

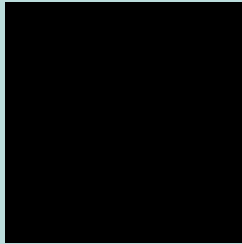
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

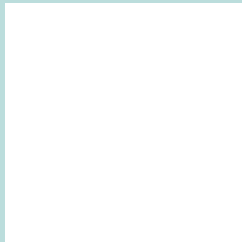
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.4450, 0.2901, 0.3301

Background



This preview shows how black text looks on a background with the Yxy color 67.4450, 0.2901, 0.3301.

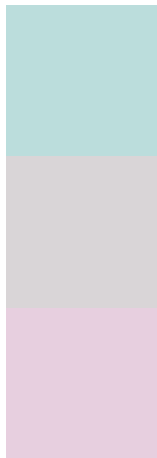


This preview shows how white text looks on a background with the Yxy color 67.4450, 0.2901, 0.3301.

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

67.4450, 0.2901, 0.3301

Protanopia

67.2465, 0.3143, 0.3268

Deuteranopia

66.9423, 0.3195, 0.3119



Tritanopia

67.6663, 0.2824, 0.3096

Trichromacy



Original Color

67.4450, 0.2901, 0.3301

Protanomaly

67.2433, 0.3049, 0.3278

Deuteranomaly

66.8080, 0.3081, 0.3179

Tritanomaly

67.7184, 0.2853, 0.3175

Monochromacy



Original Color

67.4450, 0.2901, 0.3301

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

66.0125, 0.3040, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.4450, 0.2901, 0.3301 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(187, 221, 220)` looks like.

```
.text, #text, p{  
    color:rgb(187, 221, 220)  
}
```

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(187, 221, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 221, 220) }
```

Border

The CSS property to change the border of an element to Yxy 67.4450, 0.2901, 0.3301 is called "border". The border property can be set on classes, ids or directly on the HTML element.

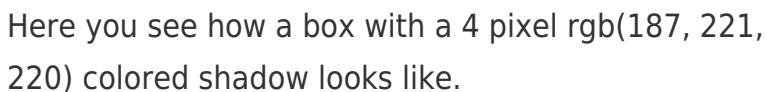
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 221, 220) }
```

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

```
.border{ border-color:rgb(187, 221, 220) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 221, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 221, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 221, 220); box-shadow:4px 4px 4px 4px rgb(187, 221, 220) }
```


Background

The CSS property to change the background color of an element to Yxy 67.4450, 0.2901, 0.3301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 221, 220) }
```

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

```
.background{ background-color: rgb(187,  
221, 220) }
```

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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