

Converting Colors

$Yxy(69.8051, 0.2913, 0.3311)$

Have a look what the booklet for
Yxy(69.8051, 0.2913, 0.3311)
contains.

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Color

Yxy(69.6616, 0.2916, 0.3312)

Conversions

Conversions Part 1

Format	Color
Hex	BFE0DE
RGB	191, 224, 222
RGB Percent	75%, 88%, 87%
CMY	0.2509, 0.1216, 0.1293
CMYK	0.15, 0.00, 0.01, 0.12
HSL	176°, 35%, 81%
HSV	176°, 15%, 88%
XYZ	61.3325, 69.6616, 79.3368
YIQ	213.9050, -19.0260, -7.6180

Conversions

Conversions Part 2

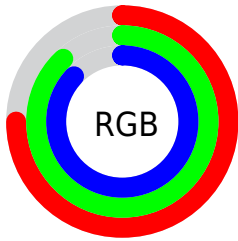
Format	Color
R _Y B	191, 208, 224
Decimal	12574942
CIE Lab	86.83, -11.17, -2.68
CIE LCh	87, 11.482, 193.480
Yxy	69.6616, 0.2916, 0.3312
Android (android.graphics.Color)	4290765022 (0xFFBFE0DE)
YUV	213.9050, 3.9908, -20.0877
Hunter-Lab	83.4635, -14.8919, 2.0660

Details

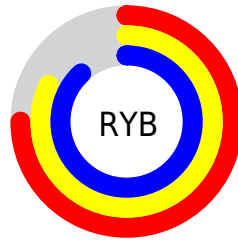
The Yxy color **69.6616, 0.2916, 0.3312** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **56.9681, 0.3385, 0.3268**, and the grayscale version is **67.1650, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6965, 0.3084, 0.3290**, and **36.4843, 0.2864, 0.3320** is the 20% darker color. If you saturate the color by 10%, you get **66.9070, 0.2783, 0.3329**, and if you desaturate by 10%, it is **72.8667, 0.3058, 0.3297**.

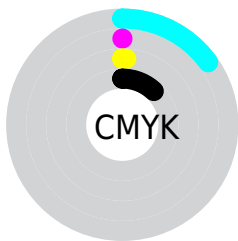
Distribution



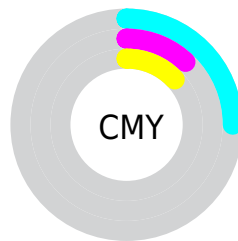
- Red (75%)
- Green (88%)
- Blue (87%)



- Red (75%)
- Yellow (82%)
- Blue (88%)



- Cyan (15%)
- Magenta (0%)
- Yellow (1%)
- Black (12%)





- Cyan (25%)
- Magenta (12%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.6616, 0.2916, 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 69.6616, 0.2916, 0.3312 by changing the saturation by 10% instead.


 69.6616, 0.2916,
0.3312

 69.6616, 0.2916,
0.3312

459.3609, 0.3014,
0.3302

 51.2507, 0.2893,
0.3314


 118.7260, 0.2950,
0.3309

 36.4082, 0.2866,
0.3316


150.1484, 0.2963,
0.3308

 24.7496, 0.2830,
0.3319


186.6767, 0.2975,
0.3306

 15.8906, 0.2784,
0.3323

228.6953, 0.2985,
0.3305

 9.4468, 0.2720,
0.3328

276.5886, 0.2993,
0.3305

 5.0337, 0.2628,
0.3334

330.7411, 0.3001,

 2.2671, 0.2481,

0.3304

391.5370, 0.3008,
0.3303

0.3341

0.7562, 0.2016,
0.3416

0.0000, 0.0000,
0.0000

69.6616, 0.2916,
0.3312

69.6616, 0.2916,
0.3312

66.9070, 0.2783,
0.3329

72.8667, 0.3058,
0.3297

64.5740, 0.2663,
0.3346

76.5325, 0.3206,
0.3283


62.6441, 0.2557,
0.3365


80.0635, 0.3334,
0.3270


61.0935, 0.2468,
0.3385


80.1374, 0.3325,
0.3257

 59.8962, 0.2398,
0.3405


 80.2119, 0.3316,
0.3243


 59.0230, 0.2347,
0.3425

 80.2869, 0.3307,
0.3230


 58.4399, 0.2316,
0.3445

 80.3626, 0.3298,
0.3217

 58.1053, 0.2302,
0.3465

 80.4388, 0.3288,
0.3204

 57.9929, 0.2299,
0.3475

 80.5156, 0.3279,
0.3190

Harmonies

Analogous

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



69.6616, 0.3028, 0.3435



69.6616, 0.2916, 0.3312



69.6616, 0.2861, 0.3186

Triad

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



69.6616, 0.2916, 0.3312



69.6616, 0.3082, 0.3075



69.6616, 0.3385, 0.3484

Complementary

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



69.6616, 0.2916, 0.3312



56.9681, 0.3385, 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.



69.6616, 0.3402, 0.3384



69.6616, 0.2916, 0.3312



69.6616, 0.3224, 0.3151

Square

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



69.6616, 0.2916, 0.3312



69.6616, 0.2955, 0.3053



69.6616, 0.3342, 0.3263



69.6616, 0.3299, 0.3535

Rectangle

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



69.6616, 0.2916, 0.3312



69.6616, 0.2862, 0.3118



69.6616, 0.3342, 0.3263



69.6616, 0.3399, 0.3455

Sweetspot

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



69.6645, 0.2916, 0.3312



98.0773, 0.3068, 0.3296



68.4390, 0.3124, 0.3680



20.9176, 0.3057, 0.3297



0.0000, 0.0000, 0.0000



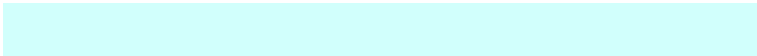
21.4041, 0.3127, 0.3290

Same Dimension

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



69.6645, 0.2916, 0.3312



92.1343, 0.2870, 0.3318



62.4101, 0.2898, 0.3123



15.5575, 0.2990, 0.3304



33.7631, 0.2298, 0.3472



2.3446, 0.2289, 0.3441

Inverse Universe

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



56.9681, 0.3385, 0.3268



71.6557, 0.3458, 0.3263



63.4213, 0.3377, 0.3452



13.7138, 0.3283, 0.3276



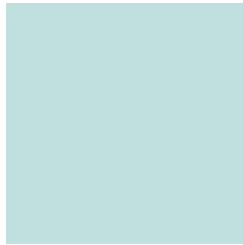
9.2474, 0.6334, 0.3263



0.6457, 0.6147, 0.3160

Previews

White Background



This preview shows how the Yxy color 69.6616, 0.2916, 0.3312 looks on a white background.

Color Contrast Check

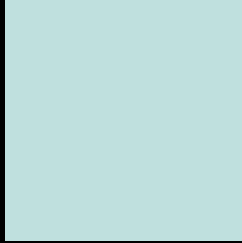
Large Text (above 18pt) WCAG AA × Fail

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 69.6616, 0.2916, 0.3312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

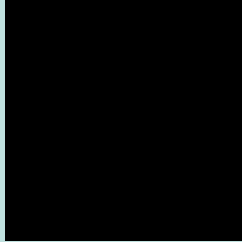
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

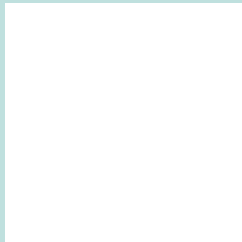
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.6616, 0.2916, 0.3312

Background



This preview shows how black text looks on a background with the Yxy color 69.6616, 0.2916, 0.3312.

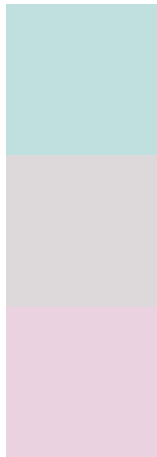


This preview shows how white text looks on a background with the Yxy color 69.6616, 0.2916, 0.3312.

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

69.6616, 0.2916, 0.3312

Protanopia

69.4936, 0.3157, 0.3279

Deuteranopia

69.0219, 0.3201, 0.3131



Tritanopia

69.4142, 0.2833, 0.3088

Trichromacy



Original Color

69.6616, 0.2916, 0.3312

Protanomaly

69.4791, 0.3063, 0.3290

Deuteranomaly

68.8881, 0.3088, 0.3191

Tritanomaly

69.4632, 0.2862, 0.3165

Monochromacy



Original Color

69.6616, 0.2916, 0.3312

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

68.2744, 0.3048, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.6616, 0.2916, 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(191, 224, 222)` looks like.

```
.text, #text, p{  
    color:rgb(191, 224, 222)  
}
```

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(191, 224, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 224, 222) }
```

Border

The CSS property to change the border of an element to Yxy 69.6616, 0.2916, 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(191, 224, 222) }
```

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

```
.border{ border-color:rgb(191, 224, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 224, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 224, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 224, 222); box-shadow:4px 4px 4px 4px rgb(191, 224, 222) }
```


Background

The CSS property to change the background color of an element to Yxy 69.6616, 0.2916, 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(191, 224, 222) }
```

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

```
.background{ background-color: rgb(191,  
224, 222) }
```

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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