

Converting Colors

Yxy(64.8323, 0.2922, 0.3466)

Have a look what the booklet for
Yxy(64.8323, 0.2922, 0.3466)
contains.

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Color

Yxy(64.9413, 0.2926, 0.3471)

Conversions

Conversions Part 1

Format	Color
Hex	B1DCCD
RGB	177, 220, 205
RGB Percent	69%, 86%, 80%
CMY	0.3059, 0.1372, 0.1960
CMYK	0.20, 0.00, 0.07, 0.14
HSL	159°, 38%, 78%
HSV	159°, 20%, 86%
XYZ	54.7445, 64.9413, 67.4110
YIQ	205.4330, -20.8130, -13.7810

Conversions

Conversions Part 2

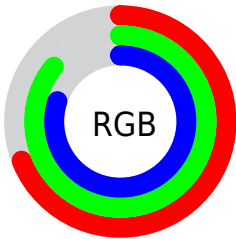
Format	Color
RYB	177, 203, 220
Decimal	11656397
CIELab	84.45, -16.98, 2.74
CIElCh	84, 17.198, 170.844
Yxy	64.9413, 0.2926, 0.3471
Android (android.graphics.Color)	4289846477 (0xFFB1DCCD)
YUV	205.4330, -0.2135, -24.9357
Hunter-Lab	80.5862, -19.7656, 6.8138

Details

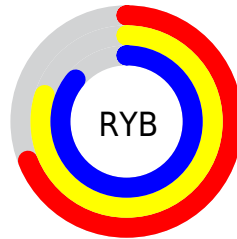
The Yxy color **64.9413, 0.2926, 0.3471** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.4666, 0.3381, 0.3116**, and the grayscale version is **61.3535, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **33.4297, 0.2877, 0.3516** is the 20% darker color. If you saturate the color by 10%, you get **62.2039, 0.2831, 0.3578**, and if you desaturate by 10%, it is **68.1188, 0.3027, 0.3374**.

Distribution



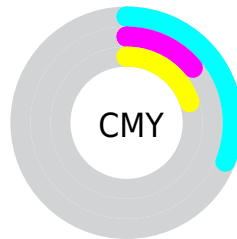
- Red (69%)
- Green (86%)
- Blue (80%)



- Red (69%)
- Yellow (80%)
- Blue (86%)



- Cyan (20%)
- Magenta (0%)
- Yellow (7%)
- Black (14%)





- Cyan (31%)
- Magenta (14%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.9413, 0.2926, 0.3471 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 64.9413, 0.2926, 0.3471 by changing the saturation by 10% instead.

 64.9413, 0.2926,
0.3471

 64.9413, 0.2926,
0.3471


442.5810, 0.3021,
0.3385

 47.4135, 0.2904,
0.3491


 111.9655, 0.2960,
0.3440

 33.3626, 0.2876,
0.3517


142.2306, 0.2973,
0.3429

 22.4044, 0.2839,
0.3550


177.5103, 0.2984,
0.3419

 14.1543, 0.2791,
0.3595

218.1889, 0.2993,
0.3410

 8.2281, 0.2724,
0.3658

264.6509, 0.3002,
0.3403

 4.2412, 0.2623,
0.3753

317.2807, 0.3009,

 1.8094, 0.2456,

0.3396

0.3915

376.4626, 0.3016,
0.3390

0.4930, 0.0606,
0.5523

0.0000, 0.0000,
0.0000

64.9413, 0.2926,
0.3471

64.9413, 0.2926,
0.3471

62.2039, 0.2831,
0.3578

68.1188, 0.3027,
0.3374

59.8782, 0.2746,
0.3693

71.7471, 0.3132,
0.3286

57.9451, 0.2673,
0.3816

75.8465, 0.3238,
0.3208

56.3809, 0.2616,
0.3946

78.4871, 0.3272,
0.3135

■ 55.1588, 0.2578,
0.4080

■ 78.9420, 0.3220,
0.3060

■ 54.2488, 0.2559,
0.4215

■ 79.4163, 0.3169,
0.2987

■ 53.6150, 0.2560,
0.4350

■ 79.6686, 0.3143,
0.2950

■ 53.1974, 0.2579,
0.4482

■ 53.1804, 0.2580,
0.4488

Harmonies

Analogous

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



64.9413, 0.3133, 0.3621



64.9413, 0.2926, 0.3471



64.9413, 0.2776, 0.3271

Triad

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



64.9413, 0.2926, 0.3471



64.9413, 0.2905, 0.2931



64.9413, 0.3555, 0.3472

Complementary

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



64.9413, 0.2926, 0.3471



50.4666, 0.3381, 0.3116

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.



64.9413, 0.3490, 0.3292



64.9413, 0.2926, 0.3471



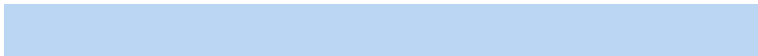
64.9413, 0.3110, 0.2987

Square

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



64.9413, 0.2926, 0.3471



64.9413, 0.2764, 0.2964



64.9413, 0.3325, 0.3117



64.9413, 0.3500, 0.3613

Rectangle

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



64.9413, 0.2926, 0.3471



64.9413, 0.2725, 0.3142



64.9413, 0.3325, 0.3117



64.9413, 0.3547, 0.3414

Sweetspot

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



64.9440, 0.2926, 0.3471



96.8739, 0.3063, 0.3342



65.5763, 0.3210, 0.3808



20.6652, 0.3057, 0.3348



0.0000, 0.0000, 0.0000



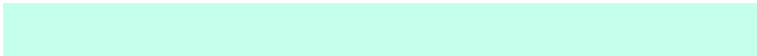
21.4041, 0.3127, 0.3290

Same Dimension

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



64.9440, 0.2926, 0.3471



89.2748, 0.2891, 0.3509



62.3823, 0.2831, 0.3212



14.7484, 0.3028, 0.3373



31.2315, 0.2574, 0.4467



2.0394, 0.2514, 0.4252

Inverse Universe

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



50.4666, 0.3381, 0.3116



65.8975, 0.3440, 0.3082



52.4442, 0.3497, 0.3367



13.1261, 0.3237, 0.3209



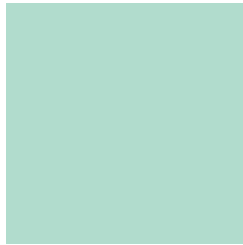
9.2611, 0.5571, 0.2842



0.6160, 0.5115, 0.2591

Previews

White Background



This preview shows how the Yxy color 64.9413, 0.2926, 0.3471 looks on a white background.

Color Contrast Check

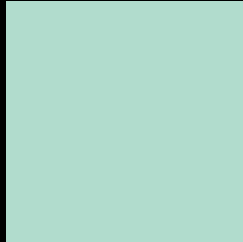
Large Text (above 18pt) WCAG AA × Fail

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 64.9413, 0.2926, 0.3471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

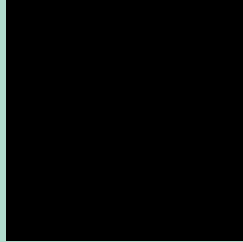
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

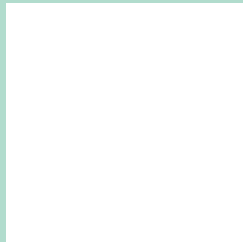
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.9413, 0.2926, 0.3471

Background



This preview shows how black text looks on a background with the Yxy color 64.9413, 0.2926, 0.3471.

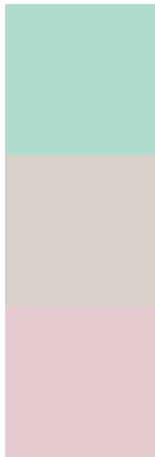


This preview shows how white text looks on a background with the Yxy color 64.9413, 0.2926, 0.3471.

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

64.9413, 0.2926, 0.3471

Protanopia

64.4762, 0.3259, 0.3404

Deuteranopia

64.2549, 0.3309, 0.3236



Tritanopia

64.9400, 0.2788, 0.3092

Trichromacy



Original Color

64.9413, 0.2926, 0.3471

Protanomaly

64.3621, 0.3128, 0.3430

Deuteranomaly

63.9548, 0.3156, 0.3313

Tritanomaly

64.6567, 0.2835, 0.3218

Monochromacy



Original Color

64.9413, 0.2926, 0.3471

Achromatopsia

61.0496, 0.3127, 0.3290

Achromatomaly

62.1031, 0.3051, 0.3349

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.9413, 0.2926, 0.3471 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(177, 220, 205)` looks like.

```
.text, #text, p{  
    color:rgb(177, 220, 205)  
}
```

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(177, 220, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 220, 205) }
```

Border

The CSS property to change the border of an element to Yxy 64.9413, 0.2926, 0.3471 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(177, 220, 205) }
```

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

```
.border{ border-color:rgb(177, 220, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 220, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 220, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 220, 205);  
box-shadow:4px 4px 4px 4px rgb(177, 220,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 64.9413, 0.2926, 0.3471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 220, 205) }
```

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

```
.background{ background-color: rgb(177,  
220, 205) }
```

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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