

Converting Colors

$Yxy(65.4879, 0.2893, 0.3410)$

Have a look what the booklet for
Yxy(65.4879, 0.2893, 0.3410)
contains.

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Color

Yxy(65.7132, 0.2896, 0.3422)

Conversions

Conversions Part 1

Format	Color
Hex	B1DDD2
RGB	177, 221, 210
RGB Percent	69%, 87%, 82%
CMY	0.3060, 0.1333, 0.1766
CMYK	0.20, 0.00, 0.05, 0.13
HSL	165°, 39%, 78%
HSV	165°, 20%, 87%
XYZ	55.6123, 65.7132, 70.7060
YIQ	206.5900, -22.6930, -12.7490

Conversions

Conversions Part 2

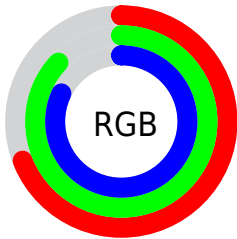
Format	Color
RYB	177, 202, 221
Decimal	11656658
CIELab	84.85, -16.50, 0.69
CIELCh	85, 16.515, 177.617
Yxy	65.7132, 0.2896, 0.3422
Android (android.graphics.Color)	4289846738 (0xFFB1DDD2)
YUV	206.5900, 1.6811, -25.9504
Hunter-Lab	81.0637, -19.4046, 5.0302

Details

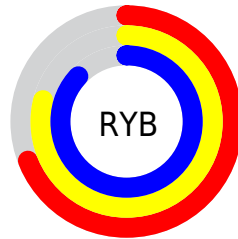
The Yxy color **65.7132, 0.2896, 0.3422** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.4382, 0.3424, 0.3162**, and the grayscale version is **62.1162, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **33.9578, 0.2839, 0.3450** is the 20% darker color. If you saturate the color by 10%, you get **63.0565, 0.2790, 0.3498**, and if you desaturate by 10%, it is **68.8052, 0.3009, 0.3353**.

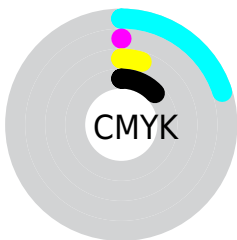
Distribution



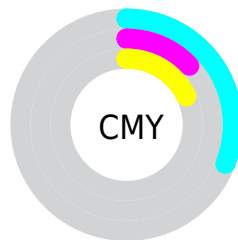
- Red (69%)
- Green (87%)
- Blue (82%)



- Red (69%)
- Yellow (79%)
- Blue (87%)



- Cyan (20%)
- Magenta (0%)
- Yellow (5%)
- Black (13%)





- Cyan (31%)
- Magenta (13%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.7132, 0.2896, 0.3422 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 65.7132, 0.2896, 0.3422 by changing the saturation by 10% instead.


 65.7132, 0.2896,
0.3422

 65.7132, 0.2896,
0.3422

445.3505, 0.3005,
0.3360

 48.0396, 0.2871,
0.3437

 113.0746, 0.2934,
0.3400

 33.8583, 0.2839,
0.3455

143.5312, 0.2949,
0.3392

 22.7847, 0.2798,
0.3478


179.0176, 0.2962,
0.3384

 14.4346, 0.2745,
0.3509

219.9182, 0.2973,
0.3378

 8.4236, 0.2670,
0.3552

266.6174, 0.2982,
0.3373

 4.3672, 0.2559,
0.3617

319.4996, 0.2991,

 1.8810, 0.2378,

0.3368

378.9492, 0.2998,
0.3364

0.3723

0.5369, 0.0910,
0.4546

0.0000, 0.0000,
0.0000

65.7132, 0.2896,
0.3422

65.7132, 0.2896,
0.3422

63.0565, 0.2790,
0.3498

68.8052, 0.3009,
0.3353

60.8066, 0.2695,
0.3579


72.3433, 0.3128,
0.3290


58.9443, 0.2614,
0.3666


76.3479, 0.3249,
0.3233


57.4455, 0.2550,
0.3756


78.8146, 0.3296,
0.3180


 56.2834, 0.2504,
0.3849


 79.1348, 0.3258,
0.3126


 55.4275, 0.2477,
0.3943


 79.4650, 0.3220,
0.3072


 54.8414, 0.2471,
0.4037

 79.8053, 0.3184,
0.3019

 54.4617, 0.2481,
0.4130

 80.1558, 0.3147,
0.2966

 54.4592, 0.2481,
0.4131

 80.2006, 0.3143,
0.2960

Harmonies

Analogous

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



65.7132, 0.3086, 0.3581



65.7132, 0.2896, 0.3422



65.7132, 0.2770, 0.3229

Triad

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



65.7132, 0.2896, 0.3422



65.7132, 0.2955, 0.2951



65.7132, 0.3534, 0.3500

Complementary

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



65.7132, 0.2896, 0.3422



50.4382, 0.3424, 0.3162

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.



65.7132, 0.3498, 0.3332



65.7132, 0.2896, 0.3422



65.7132, 0.3158, 0.3023

Square

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



65.7132, 0.2896, 0.3422



65.7132, 0.2803, 0.2963



65.7132, 0.3359, 0.3160



65.7132, 0.3457, 0.3620

Rectangle

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



65.7132, 0.2896, 0.3422



65.7132, 0.2736, 0.3112



65.7132, 0.3359, 0.3160



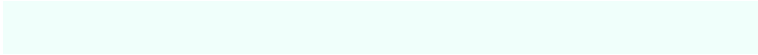
65.7132, 0.3535, 0.3447

Sweetspot

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



65.7159, 0.2896, 0.3422



96.9682, 0.3055, 0.3327



65.6762, 0.3185, 0.3824



20.6875, 0.3047, 0.3332



0.0000, 0.0000, 0.0000



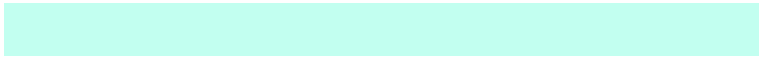
21.4041, 0.3127, 0.3290

Same Dimension

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



65.7159, 0.2896, 0.3422



89.2337, 0.2850, 0.3454



61.0230, 0.2823, 0.3166



14.7709, 0.3015, 0.3349



31.6505, 0.2477, 0.4116



2.0640, 0.2435, 0.3964

Inverse Universe

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



50.4382, 0.3424, 0.3162



64.3652, 0.3506, 0.3133



54.1931, 0.3498, 0.3411



13.1048, 0.3252, 0.3232



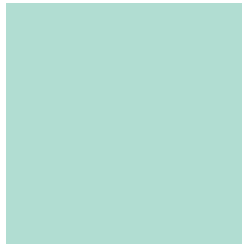
9.1078, 0.5917, 0.3033



0.6039, 0.5449, 0.2775

Previews

White Background



This preview shows how the Yxy color 65.7132, 0.2896, 0.3422 looks on a white background.

Color Contrast Check

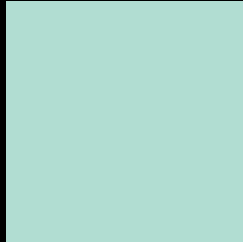
Large Text (above 18pt) WCAG AA × Fail

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 65.7132, 0.2896, 0.3422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

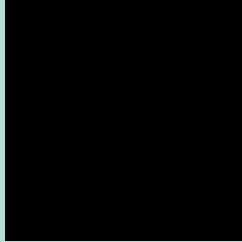
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

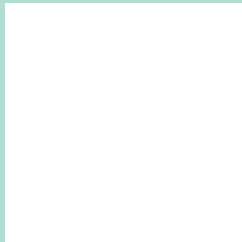
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.7132, 0.2896, 0.3422

Background



This preview shows how black text looks on a background with the Yxy color 65.7132, 0.2896, 0.3422.

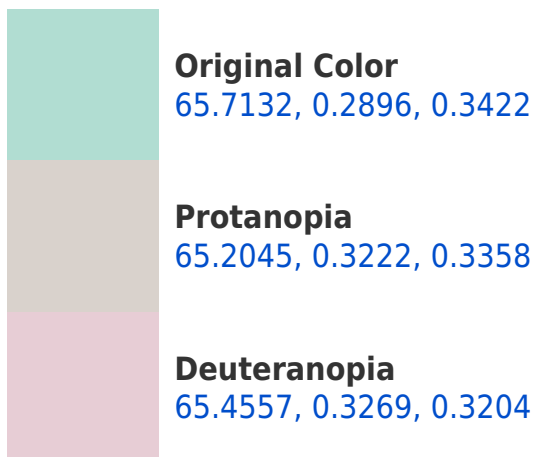


This preview shows how white text looks on a background with the Yxy color 65.7132, 0.2896, 0.3422.

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

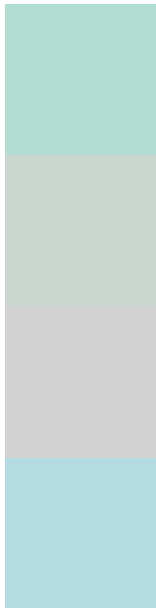




Tritanopia

65.5690, 0.2777, 0.3081

Trichromacy



Original Color

65.7132, 0.2896, 0.3422

Protanomaly

65.1059, 0.3094, 0.3383

Deuteranomaly

65.1909, 0.3120, 0.3279

Tritanomaly

65.3371, 0.2818, 0.3195

Monochromacy



Original Color

65.7132, 0.2896, 0.3422

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

63.3768, 0.3038, 0.3337

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.7132, 0.2896, 0.3422 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, 221, 210)` looks like.

```
.text, #text, p{  
    color:rgb(177, 221, 210)  
}
```

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, 221, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 221, 210) }
```

Border

The CSS property to change the border of an element to Yxy 65.7132, 0.2896, 0.3422 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, 221, 210) }
```

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

```
.border{ border-color:rgb(177, 221, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 221, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 221, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 221, 210);  
box-shadow:4px 4px 4px 4px rgb(177, 221,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 65.7132, 0.2896, 0.3422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 221, 210) }
```

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

```
.background{ background-color: rgb(177,  
221, 210) }
```

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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