

Converting Colors

$Yxy(65.3228, 0.2859, 0.3349)$

Have a look what the booklet for
Yxy(65.3228, 0.2859, 0.3349)
contains.

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Color

Yxy(65.3228, 0.2859, 0.3349)

Conversions

Conversions Part 1

Format	Color
Hex	B0DCD7
RGB	176, 220, 215
RGB Percent	69%, 86%, 84%
CMY	0.3098, 0.1372, 0.1568
CMYK	0.20, 0.00, 0.02, 0.14
HSL	173°, 39%, 78%
HSV	173°, 20%, 86%
XYZ	55.7653, 65.3228, 73.9636
YIQ	206.2740, -24.6190, -10.8830

Conversions

Conversions Part 2

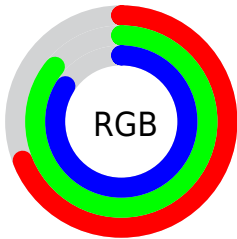
Format	Color
R _Y B	176, 199, 220
Decimal	11590871
CIE Lab	84.65, -15.26, -2.28
CIE LCh	85, 15.425, 188.494
Yxy	65.3228, 0.2859, 0.3349
Android (android.graphics.Color)	4289780951 (0xFFB0DCD7)
YUV	206.2740, 4.3019, -26.5503
Hunter-Lab	80.8225, -18.2794, 2.3174

Details

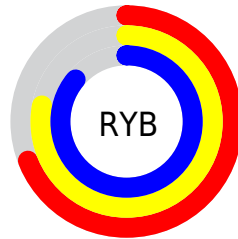
The Yxy color **65.3228, 0.2859, 0.3349** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.6067, 0.3478, 0.3232**, and the grayscale version is **61.8925, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8958, 0.2987, 0.3290**, and **33.6593, 0.2799, 0.3369** is the 20% darker color. If you saturate the color by 10%, you get **62.8378, 0.2738, 0.3382**, and if you desaturate by 10%, it is **68.2308, 0.2990, 0.3318**.

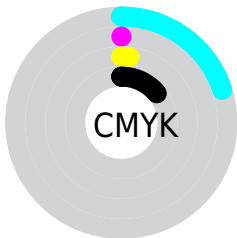
Distribution



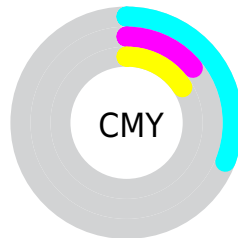
- Red (69%)
- Green (86%)
- Blue (84%)



- Red (69%)
- Yellow (78%)
- Blue (86%)



- Cyan (20%)
- Magenta (0%)
- Yellow (2%)
- Black (14%)




- Cyan (31%)
- Magenta (14%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.3228, 0.2859, 0.3349 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 65.3228, 0.2859, 0.3349 by changing the saturation by 10% instead.

 65.3228, 0.2859,
0.3349

 65.3228, 0.2859,
0.3349

443.9511, 0.2985,
0.3322

 47.7229, 0.2830,
0.3355

 112.5138, 0.2903,
0.3340

 33.6075, 0.2793,
0.3362

142.8737, 0.2920,
0.3336

 22.5922, 0.2747,
0.3372


178.2557, 0.2935,
0.3333

 14.2927, 0.2685,
0.3384

219.0442, 0.2947,
0.3330

 8.3245, 0.2600,
0.3400

265.6236, 0.2959,
0.3328

 4.3033, 0.2475,
0.3423

318.3782, 0.2968,

 1.8446, 0.2273,

0.3326

377.6926, 0.2977,
0.3324

0.3456

0.5148, 0.0865,
0.3809

0.0000, 0.0000,
0.0000

65.3228, 0.2859,
0.3349

65.3228, 0.2859,
0.3349

62.8378, 0.2738,
0.3382

68.2308, 0.2990,
0.3318

60.7476, 0.2630,
0.3418


71.5722, 0.3127,
0.3290


59.0334, 0.2537,
0.3455

75.3674, 0.3269,
0.3265


57.6713, 0.2462,
0.3494


77.8838, 0.3346,
0.3241


 56.6350, 0.2406,
0.3533


 78.0211, 0.3329,
0.3216

 55.8944, 0.2369,
0.3573


 78.1604, 0.3312,
0.3191


 55.4135, 0.2351,
0.3612

 78.3018, 0.3294,
0.3166

 55.1290, 0.2348,
0.3651

 78.4451, 0.3277,
0.3142

 55.1289, 0.2348,
0.3651

 78.5905, 0.3260,
0.3117

Harmonies

Analogous

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



65.3228, 0.3020, 0.3515



65.3228, 0.2859, 0.3349



65.3228, 0.2770, 0.3172

Triad

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



65.3228, 0.2859, 0.3349



65.3228, 0.3032, 0.2988



65.3228, 0.3493, 0.3535

Complementary

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



65.3228, 0.2859, 0.3349



49.6067, 0.3478, 0.3232

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.



65.3228, 0.3498, 0.3390



65.3228, 0.2859, 0.3349



65.3228, 0.3228, 0.3080

Square

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



65.3228, 0.2859, 0.3349



65.3228, 0.2867, 0.2970



65.3228, 0.3400, 0.3225



65.3228, 0.3388, 0.3621

Rectangle

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



65.3228, 0.2859, 0.3349



65.3228, 0.2761, 0.3073



65.3228, 0.3400, 0.3225



65.3228, 0.3507, 0.3492

Sweetspot

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



65.3255, 0.2859, 0.3349



97.1014, 0.3043, 0.3307



64.1635, 0.3138, 0.3833



20.7191, 0.3034, 0.3309



0.0000, 0.0000, 0.0000



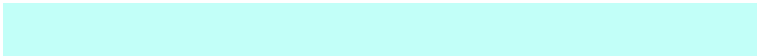
21.4041, 0.3127, 0.3290

Same Dimension

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



65.3255, 0.2859, 0.3349



89.7434, 0.2807, 0.3363



57.1759, 0.2816, 0.3084



14.8028, 0.2997, 0.3317



32.3644, 0.2346, 0.3645



2.1041, 0.2328, 0.3581

Inverse Universe

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



49.6067, 0.3478, 0.3232



63.9598, 0.3574, 0.3219



56.4349, 0.3485, 0.3487



13.0754, 0.3274, 0.3264



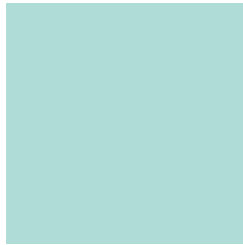
8.9793, 0.6256, 0.3220



0.5899, 0.5921, 0.3035

Previews

White Background



This preview shows how the Yxy color 65.3228, 0.2859, 0.3349 looks on a white background.

Color Contrast Check

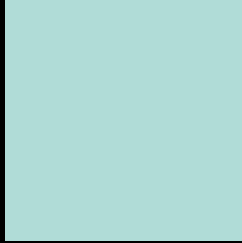
Large Text (above 18pt) WCAG AA × Fail

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 65.3228, 0.2859, 0.3349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

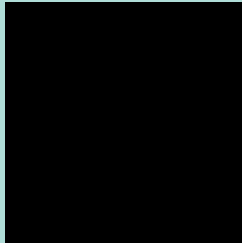
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

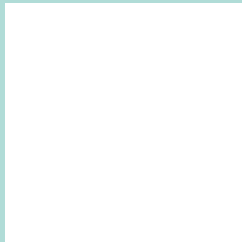
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.3228, 0.2859, 0.3349

Background



This preview shows how black text looks on a background with the Yxy color 65.3228, 0.2859, 0.3349.

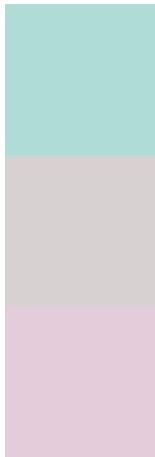


This preview shows how white text looks on a background with the Yxy color 65.3228, 0.2859, 0.3349.

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

65.3228, 0.2859, 0.3349

Protanopia

65.1437, 0.3171, 0.3301

Deuteranopia

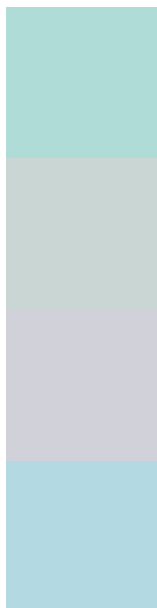
64.7417, 0.3211, 0.3138



Tritanopia

65.2695, 0.2770, 0.3092

Trichromacy



Original Color

65.3228, 0.2859, 0.3349

Protanomaly

65.2138, 0.3053, 0.3324

Deuteranomaly

64.6583, 0.3072, 0.3211

Tritanomaly

65.2726, 0.2806, 0.3183

Monochromacy



Original Color

65.3228, 0.2859, 0.3349

Achromatopsia

61.7207, 0.3127, 0.3290

Achromatomaly

62.7941, 0.3024, 0.3313

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.3228, 0.2859, 0.3349 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(176, 220, 215)` looks like.

```
.text, #text, p{  
    color:rgb(176, 220, 215)  
}
```

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(176, 220, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 220, 215) }
```

Border

The CSS property to change the border of an element to Yxy 65.3228, 0.2859, 0.3349 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(176, 220, 215) }
```

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

```
.border{ border-color:rgb(176, 220, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 220, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 220, 215); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 220, 215); box-shadow:4px 4px 4px 4px rgb(176, 220, 215) }
```


Background

The CSS property to change the background color of an element to Yxy 65.3228, 0.2859, 0.3349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 220, 215) }
```

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

```
.background{ background-color: rgb(176,  
220, 215) }
```

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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