

Converting Colors

$Yxy(65.5636, 0.2802, 0.3348)$

Have a look what the booklet for
Yxy(65.5636, 0.2802, 0.3348)
contains.

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Color

Yxy(65.6873, 0.2805, 0.3349)

Conversions

Conversions Part 1

Format	Color
Hex	A9DED9
RGB	169, 222, 217
RGB Percent	66%, 87%, 85%
CMY	0.3371, 0.1294, 0.1490
CMYK	0.24, 0.00, 0.02, 0.13
HSL	174°, 45%, 77%
HSV	174°, 24%, 87%
XYZ	55.0173, 65.6873, 75.4355
YIQ	205.5830, -29.9830, -12.7910

Conversions

Conversions Part 2

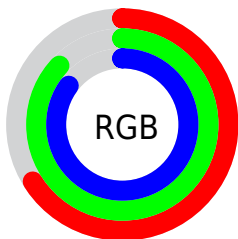
Format	Color
RYB	169, 197, 222
Decimal	11132633
CIELab	84.84, -17.94, -3.11
CIELCh	85, 18.209, 189.849
Yxy	65.6873, 0.2805, 0.3349
Android (android.graphics.Color)	4289322713 (0xFFA9DED9)
YUV	205.5830, 5.6286, -32.0833
Hunter-Lab	81.0477, -20.6630, 1.5490

Details

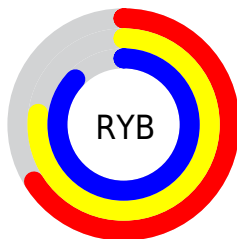
The Yxy color **65.6873, 0.2805, 0.3349** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.9806, 0.3575, 0.3233**, and the grayscale version is **61.4268, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7476, 0.2946, 0.3289**, and **33.8909, 0.2725, 0.3370** is the 20% darker color. If you saturate the color by 10%, you get **63.3308, 0.2687, 0.3377**, and if you desaturate by 10%, it is **68.4675, 0.2935, 0.3323**.

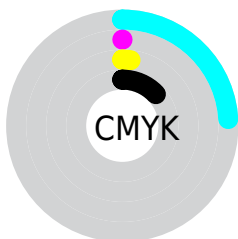
Distribution



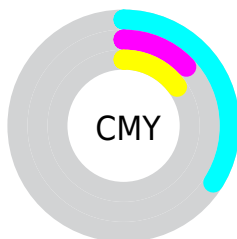
- Red (66%)
- Green (87%)
- Blue (85%)



- Red (66%)
- Yellow (77%)
- Blue (87%)



- Cyan (24%)
- Magenta (0%)
- Yellow (2%)
- Black (13%)




- Cyan (34%)
- Magenta (13%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.6873, 0.2805, 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 65.6873, 0.2805, 0.3349 by changing the saturation by 10% instead.


 65.6873, 0.2805,
0.3349

 65.6873, 0.2805,
0.3349

445.2577, 0.2956,
0.3323

 48.0186, 0.2770,
0.3355


 113.0374, 0.2858,
0.3340

 33.8416, 0.2727,
0.3362

143.4876, 0.2878,
0.3336

 22.7720, 0.2671,
0.3371


178.9671, 0.2896,
0.3333

 14.4252, 0.2599,
0.3382

219.8603, 0.2911,
0.3331

 8.4170, 0.2498,
0.3396

266.5515, 0.2924,
0.3328

 4.3629, 0.2351,
0.3415

319.4253, 0.2936,

 1.8786, 0.2116,

0.3326

378.8659, 0.2946,
0.3324

0.3440

0.5354, 0.0504,
0.3805

0.0000, 0.0000,
0.0000

65.6873, 0.2805,
0.3349

65.6873, 0.2805,
0.3349

63.3308, 0.2687,
0.3377

68.4675, 0.2935,
0.3323

61.3687, 0.2582,
0.3407

71.6827, 0.3072,
0.3299

59.7810, 0.2495,
0.3438

75.3541, 0.3216,
0.3277

58.5424, 0.2425,
0.3470

78.9547, 0.3341,
0.3257

■ 57.6246, 0.2375,
0.3502

■ 79.0695, 0.3327,
0.3236

■ 56.9947, 0.2344,
0.3535

■ 79.1857, 0.3313,
0.3215

■ 56.6131, 0.2331,
0.3567

■ 79.3033, 0.3298,
0.3195

■ 56.4618, 0.2330,
0.3586

■ 79.4223, 0.3284,
0.3174

■ 79.5428, 0.3270,
0.3154

Harmonies

Analogous

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



65.6873, 0.2990, 0.3549



65.6873, 0.2805, 0.3349



65.6873, 0.2706, 0.3140

Triad

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



65.6873, 0.2805, 0.3349



65.6873, 0.3025, 0.2939



65.6873, 0.3556, 0.3584

Complementary

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



65.6873, 0.2805, 0.3349



46.9806, 0.3575, 0.3233

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.



65.6873, 0.3568, 0.3414



65.6873, 0.2805, 0.3349



65.6873, 0.3255, 0.3051

Square

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



65.6873, 0.2805, 0.3349



65.6873, 0.2829, 0.2913



65.6873, 0.3457, 0.3221



65.6873, 0.3425, 0.3683

Rectangle

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



65.6873, 0.2805, 0.3349



65.6873, 0.2699, 0.3027



65.6873, 0.3457, 0.3221



65.6873, 0.3574, 0.3533

Sweetspot

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



65.6900, 0.2805, 0.3349



96.6628, 0.3028, 0.3306



64.1436, 0.3133, 0.3954



20.6313, 0.3019, 0.3308



0.0000, 0.0000, 0.0000



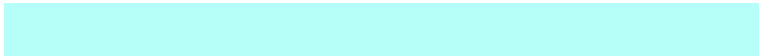
21.4041, 0.3127, 0.3290

Same Dimension

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



65.6900, 0.2805, 0.3349



88.1302, 0.2740, 0.3364



55.4019, 0.2755, 0.3028



15.5490, 0.2994, 0.3312



33.5487, 0.2328, 0.3581



2.3320, 0.2315, 0.3532

Inverse Universe

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



46.9806, 0.3575, 0.3233



57.9589, 0.3713, 0.3219



55.3207, 0.3565, 0.3538



13.7213, 0.3277, 0.3268



9.2633, 0.6289, 0.3238



0.6494, 0.6013, 0.3086

Previews

White Background



This preview shows how the Yxy color 65.6873, 0.2805, 0.3349 looks on a white background.

Color Contrast Check

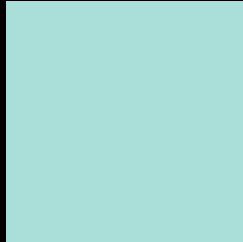
Large Text (above 18pt) WCAG AA × Fail

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 65.6873, 0.2805, 0.3349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

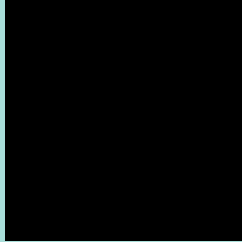
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

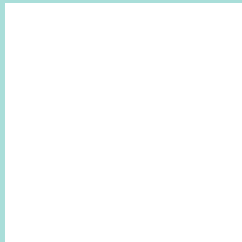
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.6873, 0.2805, 0.3349

Background



This preview shows how black text looks on a background with the Yxy color 65.6873, 0.2805, 0.3349.

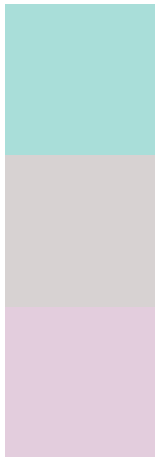


This preview shows how white text looks on a background with the Yxy color 65.6873, 0.2805, 0.3349.

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

65.6873, 0.2805, 0.3349

Protanopia

65.1934, 0.3164, 0.3290

Deuteranopia

65.2140, 0.3181, 0.3116



Tritanopia

65.6617, 0.2713, 0.3079

Trichromacy



Original Color

65.6873, 0.2805, 0.3349

Protanomaly

64.9030, 0.3019, 0.3301

Deuteranomaly

64.8776, 0.3030, 0.3188

Tritanomaly

65.6702, 0.2747, 0.3171

Monochromacy



Original Color

65.6873, 0.2805, 0.3349

Achromatopsia

61.7207, 0.3127, 0.3290

Achromatomaly

63.0776, 0.3003, 0.3313

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.6873, 0.2805, 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(169, 222, 217)` looks like.

```
.text, #text, p{  
    color:rgb(169, 222, 217)  
}
```

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(169, 222, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 222, 217) }
```

Border

The CSS property to change the border of an element to Yxy 65.6873, 0.2805, 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(169, 222, 217) }
```

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

```
.border{ border-color:rgb(169, 222, 217) }
```

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

Here you see how a box with a 4 pixel rgb(169, 222, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 222, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 222, 217);  
box-shadow:4px 4px 4px 4px rgb(169, 222,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 65.6873, 0.2805, 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(169, 222, 217) }
```

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

```
.background{ background-color: rgb(169,  
222, 217) }
```

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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