

Converting Colors

Yxy(66.4688, 0.2854, 0.3340)

Have a look what the booklet for
Yxy(66.4688, 0.2854, 0.3340)
contains.

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Color

Yxy(66.5994, 0.2855, 0.3349)

Conversions

Conversions Part 1

Format	Color
Hex	B1DED9
RGB	177, 222, 217
RGB Percent	69%, 87%, 85%
CMY	0.3058, 0.1294, 0.1491
CMYK	0.20, 0.00, 0.02, 0.13
HSL	173°, 41%, 78%
HSV	173°, 20%, 87%
XYZ	56.7755, 66.5994, 75.4886
YIQ	207.9750, -25.2150, -11.0950

Conversions

Conversions Part 2

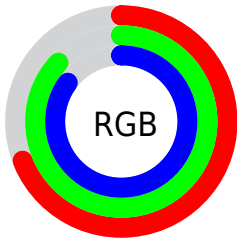
Format	Color
R_{YB}	177, 201, 222
Decimal	11656921
CIE _{Lab}	85.30, -15.55, -2.36
CIE _{LCh}	85, 15.728, 188.612
Yxy	66.5994, 0.2855, 0.3349
Android (android.graphics.Color)	4289847001 (0xFFB1DED9)
YUV	207.9750, 4.4493, -27.1651
Hunter-Lab	81.6085, -18.6312, 2.2821

Details

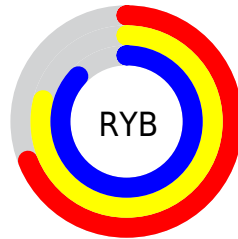
The Yxy color **66.5994, 0.2855, 0.3349** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.3581, 0.3485, 0.3232**, and the grayscale version is **63.0440, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **34.4570, 0.2787, 0.3368** is the 20% darker color. If you saturate the color by 10%, you get **64.0753, 0.2734, 0.3382**, and if you desaturate by 10%, it is **69.5550, 0.2986, 0.3319**.

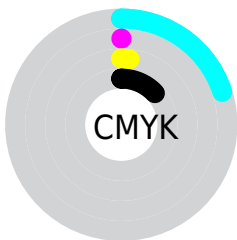
Distribution



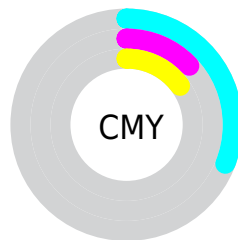
- Red (69%)
- Green (87%)
- Blue (85%)



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



- Cyan (20%)
- Magenta (0%)
- Yellow (2%)
- Black (13%)





- Cyan (31%)
- Magenta (13%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.5994, 0.2855, 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 66.5994, 0.2855, 0.3349 by changing the saturation by 10% instead.

 66.5994, 0.2855,
0.3349

 66.5994, 0.2855,
0.3349


448.5175, 0.2982,
0.3322

 48.7591, 0.2826,
0.3355


 114.3462, 0.2899,
0.3340

 34.4285, 0.2789,
0.3362


145.0215, 0.2917,
0.3336

 23.2229, 0.2742,
0.3372


180.7440, 0.2931,
0.3333

 14.7582, 0.2681,
0.3383

221.8981, 0.2944,
0.3330

 8.6499, 0.2596,
0.3399

268.8680, 0.2956,
0.3328

 4.5135, 0.2472,
0.3421

322.0383, 0.2966,

 1.9648, 0.2273,

0.3326

381.7933, 0.2974,
0.3324

0.3453

0.5869, 0.1136,
0.3741

0.0000, 0.0000,
0.0000

66.5994, 0.2855,
0.3349

66.5994, 0.2855,
0.3349

64.0753, 0.2734,
0.3382

69.5550, 0.2986,
0.3319

61.9541, 0.2626,
0.3417

72.9530, 0.3123,
0.3291

60.2162, 0.2534,
0.3454

76.8140, 0.3265,
0.3266

58.8373, 0.2459,
0.3492

79.0463, 0.3331,
0.3242

■ 57.7904, 0.2403,
0.3531

■ 79.1843, 0.3314,
0.3217

■ 57.0444, 0.2367,
0.3570

■ 79.3243, 0.3296,
0.3192

■ 56.5626, 0.2349,
0.3608

■ 79.4664, 0.3280,
0.3168

■ 56.2847, 0.2346,
0.3646

■ 79.6104, 0.3263,
0.3144

■ 79.7564, 0.3246,
0.3119

Harmonies

Analogous

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



66.5994, 0.3018, 0.3517



66.5994, 0.2855, 0.3349



66.5994, 0.2765, 0.3169

Triad

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



66.5994, 0.2855, 0.3349



66.5994, 0.3032, 0.2984



66.5994, 0.3498, 0.3539

Complementary

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



66.5994, 0.2855, 0.3349



50.3581, 0.3485, 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.



66.5994, 0.3504, 0.3392



66.5994, 0.2855, 0.3349



66.5994, 0.3230, 0.3078

Square

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



66.5994, 0.2855, 0.3349



66.5994, 0.2864, 0.2965



66.5994, 0.3404, 0.3225



66.5994, 0.3390, 0.3625

Rectangle

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



66.5994, 0.2855, 0.3349



66.5994, 0.2756, 0.3070



66.5994, 0.3404, 0.3225



66.5994, 0.3512, 0.3495

Sweetspot

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



66.6021, 0.2855, 0.3349



97.1031, 0.3043, 0.3306



65.3970, 0.3138, 0.3842



20.7195, 0.3034, 0.3308



0.0000, 0.0000, 0.0000



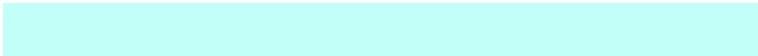
21.4041, 0.3127, 0.3290

Same Dimension

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



66.6021, 0.2855, 0.3349



89.7498, 0.2806, 0.3362



58.1693, 0.2812, 0.3081



15.5446, 0.2997, 0.3316



33.4405, 0.2344, 0.3640



2.3255, 0.2328, 0.3580

Inverse Universe

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



50.3581, 0.3485, 0.3232



63.9550, 0.3575, 0.3221



57.4040, 0.3491, 0.3490



13.7253, 0.3275, 0.3264



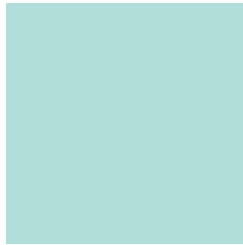
9.2737, 0.6261, 0.3223



0.6513, 0.5947, 0.3050

Previews

White Background



This preview shows how the Yxy color 66.5994, 0.2855, 0.3349 looks on a white background.

Color Contrast Check

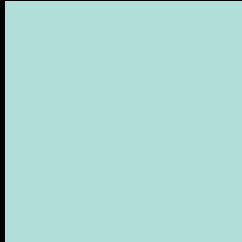
Large Text (above 18pt) WCAG AA × Fail

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 66.5994, 0.2855, 0.3349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

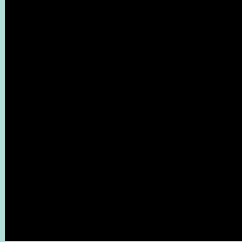
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

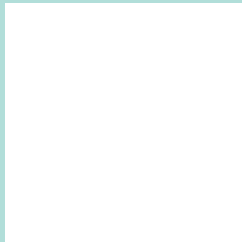
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.5994, 0.2855, 0.3349

Background



This preview shows how black text looks on a background with the Yxy color 66.5994, 0.2855, 0.3349.

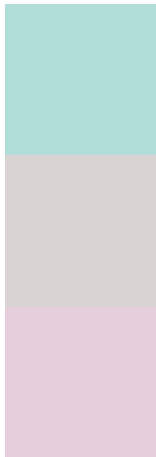


This preview shows how white text looks on a background with the Yxy color 66.5994, 0.2855, 0.3349.

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

66.5994, 0.2855, 0.3349

Protanopia

66.5418, 0.3171, 0.3301

Deuteranopia

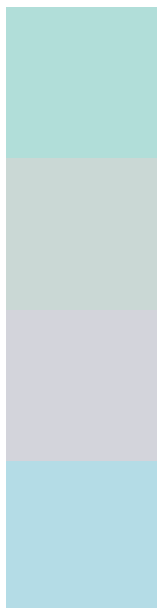
66.1329, 0.3210, 0.3139



Tritanopia

66.6012, 0.2761, 0.3082

Trichromacy



Original Color

66.5994, 0.2855, 0.3349

Protanomaly

66.4724, 0.3047, 0.3324

Deuteranomaly

66.0503, 0.3072, 0.3211

Tritanomaly

66.6029, 0.2796, 0.3173

Monochromacy



Original Color

66.5994, 0.2855, 0.3349

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

64.1620, 0.3025, 0.3313

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.5994, 0.2855, 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(177, 222, 217)` looks like.

```
.text, #text, p{  
    color:rgb(177, 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(177, 222, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 222, 217) }
```

Border

The CSS property to change the border of an element to Yxy 66.5994, 0.2855, 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(177, 222, 217) }
```

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

```
.border{ border-color:rgb(177, 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(177, 222, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 222, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 222, 217);  
box-shadow:4px 4px 4px 4px rgb(177, 222,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 66.5994, 0.2855, 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(177, 222, 217) }
```

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

```
.background{ background-color: rgb(177,  
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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