

Converting Colors

$Y_{xy}(65.7371, 0.2854, 0.3340)$

Have a look what the booklet for
Yxy(65.7371, 0.2854, 0.3340)
contains.

Yxy(65.9009, 0.2854, 0.3349)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(65.9009, 0.2854, 0.3349)

Conversions

Conversions Part 1

Format	Color
Hex	B0DDD8
RGB	176, 221, 216
RGB Percent	69%, 87%, 85%
CMY	0.3097, 0.1333, 0.1530
CMYK	0.20, 0.00, 0.02, 0.13
HSL	173°, 40%, 78%
HSV	173°, 20%, 87%
XYZ	56.1604, 65.9009, 74.7165
YIQ	206.9750, -25.2150, -11.0950

Conversions

Conversions Part 2

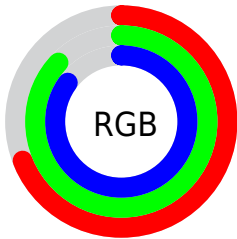
Format	Color
R _Y B	176, 200, 221
Decimal	11591128
CIE Lab	84.95, -15.55, -2.36
CIE LCh	85, 15.724, 188.641
Yxy	65.9009, 0.2854, 0.3349
Android (android.graphics.Color)	4289781208 (0xFFB0DDD8)
YUV	206.9750, 4.4493, -27.1651
Hunter-Lab	81.1794, -18.5765, 2.2557

Details

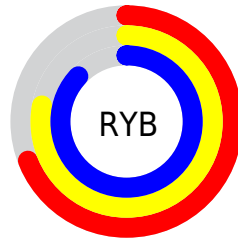
The Yxy color **65.9009, 0.2854, 0.3349** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.7760, 0.3487, 0.3232**, and the grayscale version is **62.3683, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8958, 0.2987, 0.3290**, and **34.0566, 0.2793, 0.3369** is the 20% darker color. If you saturate the color by 10%, you get **63.4066, 0.2733, 0.3382**, and if you desaturate by 10%, it is **68.8219, 0.2985, 0.3319**.

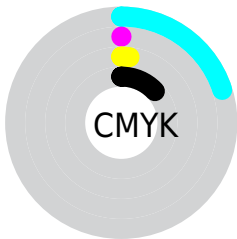
Distribution



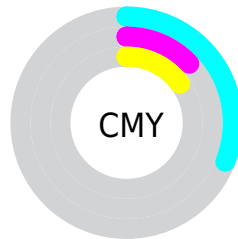
- Red (69%)
- Green (87%)
- Blue (85%)



- Red (69%)
- Yellow (78%)
- 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 65.9009, 0.2854, 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 65.9009, 0.2854, 0.3349 by changing the saturation by 10% instead.

 65.9009, 0.2854,
0.3349

 65.9009, 0.2854,
0.3349

446.0224, 0.2982,
0.3322

 48.1920, 0.2824,
0.3355


 113.3441, 0.2899,
0.3340

 33.9789, 0.2787,
0.3362

143.8471, 0.2916,
0.3336

 22.8774, 0.2740,
0.3372


179.3836, 0.2931,
0.3333

 14.5030, 0.2678,
0.3384

220.3380, 0.2944,
0.3330

 8.4713, 0.2592,
0.3399

267.0947, 0.2955,
0.3328

 4.3980, 0.2466,
0.3422

320.0381, 0.2965,

 1.8986, 0.2264,

0.3326

379.5525, 0.2974,
0.3324

0.3454

0.5475, 0.0972,
0.3777

0.0000, 0.0000,
0.0000

65.9009, 0.2854,
0.3349

65.9009, 0.2854,
0.3349

63.4066, 0.2733,
0.3382

68.8219, 0.2985,
0.3319

61.3106, 0.2625,
0.3417


72.1805, 0.3122,
0.3291


59.5937, 0.2533,
0.3453


75.9969, 0.3264,
0.3266

58.2318, 0.2458,
0.3491

78.4538, 0.3339,
0.3242

 57.1981, 0.2403,
0.3530


 78.5899, 0.3322,
0.3218

 56.4619, 0.2366,
0.3569


 78.7279, 0.3305,
0.3193

 55.9867, 0.2349,
0.3607

 78.8679, 0.3288,
0.3169

 55.7141, 0.2346,
0.3644

 79.0098, 0.3271,
0.3145

 79.1537, 0.3255,
0.3121

Harmonies

Analogous

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



65.9009, 0.3017, 0.3518



65.9009, 0.2854, 0.3349



65.9009, 0.2764, 0.3169

Triad

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



65.9009, 0.2854, 0.3349



65.9009, 0.3032, 0.2983



65.9009, 0.3499, 0.3540

Complementary

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



65.9009, 0.2854, 0.3349



49.7760, 0.3487, 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.



65.9009, 0.3505, 0.3392



65.9009, 0.2854, 0.3349



65.9009, 0.3230, 0.3077

Square

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



65.9009, 0.2854, 0.3349



65.9009, 0.2864, 0.2964



65.9009, 0.3405, 0.3225



65.9009, 0.3391, 0.3627

Rectangle

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



65.9009, 0.2854, 0.3349



65.9009, 0.2755, 0.3069



65.9009, 0.3405, 0.3225



65.9009, 0.3513, 0.3495

Sweetspot

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



65.9036, 0.2854, 0.3349



97.1035, 0.3043, 0.3306



64.7060, 0.3138, 0.3844



20.7196, 0.3034, 0.3308



0.0000, 0.0000, 0.0000



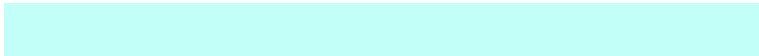
21.4041, 0.3127, 0.3290

Same Dimension

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



65.9036, 0.2854, 0.3349



89.7514, 0.2806, 0.3361



57.5285, 0.2811, 0.3080



14.8033, 0.2997, 0.3316



32.3764, 0.2344, 0.3638



2.1048, 0.2327, 0.3576

Inverse Universe

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



49.7760, 0.3487, 0.3232



63.9538, 0.3575, 0.3221



56.7688, 0.3492, 0.3491



13.0750, 0.3274, 0.3264



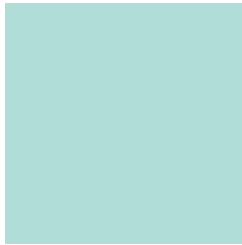
8.9780, 0.6260, 0.3222



0.5897, 0.5929, 0.3040

Previews

White Background



This preview shows how the Yxy color 65.9009, 0.2854, 0.3349 looks on a white background.

Color Contrast Check

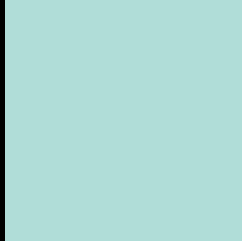
Large Text (above 18pt) WCAG AA × Fail

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 65.9009, 0.2854, 0.3349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

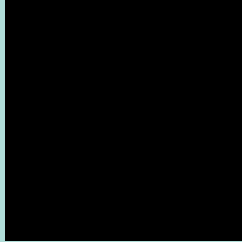
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

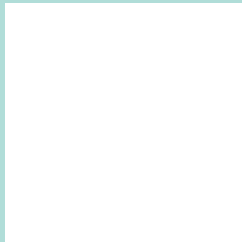
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.9009, 0.2854, 0.3349

Background



This preview shows how black text looks on a background with the Yxy color 65.9009, 0.2854, 0.3349.

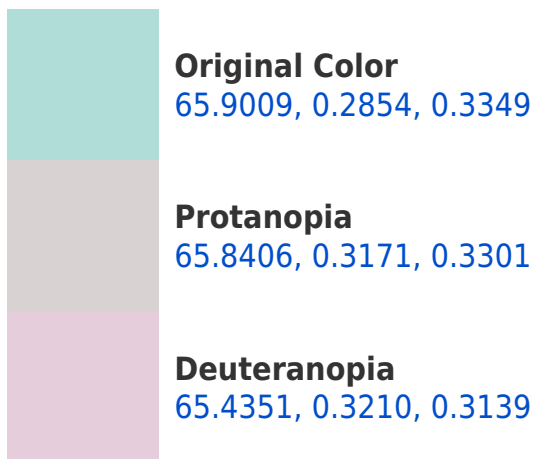


This preview shows how white text looks on a background with the Yxy color 65.9009, 0.2854, 0.3349.

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

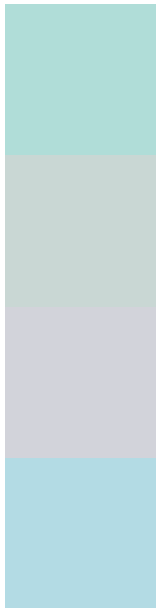




Tritanopia

65.8443, 0.2766, 0.3092

Trichromacy



Original Color

65.9009, 0.2854, 0.3349

Protanomaly

65.7719, 0.3046, 0.3324

Deuteranomaly

65.3521, 0.3072, 0.3211

Tritanomaly

65.8482, 0.2801, 0.3184

Monochromacy



Original Color

65.9009, 0.2854, 0.3349

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

63.4759, 0.3024, 0.3313

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.9009, 0.2854, 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, 221, 216)` looks like.

```
.text, #text, p{  
    color:rgb(176, 221, 216)  
}
```

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, 221, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 221, 216) }
```

Border

The CSS property to change the border of an element to Yxy 65.9009, 0.2854, 0.3349 is called "border". The border property can be set on classes, ids or directly on the HTML element.

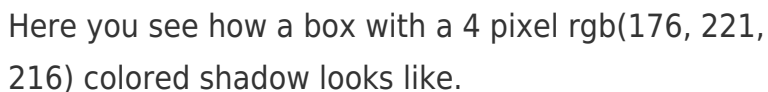
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 221, 216) }
```

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

```
.border{ border-color:rgb(176, 221, 216) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 221, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 221, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 221, 216); box-shadow:4px 4px 4px 4px rgb(176, 221, 216) }
```


Background

The CSS property to change the background color of an element to Yxy 65.9009, 0.2854, 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, 221, 216) }
```

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

```
.background{ background-color: rgb(176,  
221, 216) }
```

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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