

Converting Colors

$Yxy(65.1353, 0.2844, 0.3308)$

Have a look what the booklet for
Yxy(65.1353, 0.2844, 0.3308)
contains.

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Color

Yxy(64.9551, 0.2840, 0.3301)

Conversions

Conversions Part 1

Format	Color
Hex	B0DBDA
RGB	176, 219, 218
RGB Percent	69%, 86%, 85%
CMY	0.3100, 0.1411, 0.1450
CMYK	0.20, 0.00, 0.00, 0.14
HSL	179°, 37%, 77%
HSV	179°, 20%, 86%
XYZ	55.8838, 64.9551, 75.9351
YIQ	206.0290, -25.3070, -9.4270

Conversions

Conversions Part 2

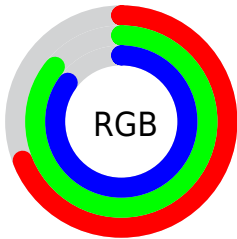
Format	Color
RYB	176, 198, 219
Decimal	11590618
CIELab	84.46, -14.14, -4.15
CIELCh	84, 14.740, 196.363
Yxy	64.9551, 0.2840, 0.3301
Android (android.graphics.Color)	4289780698 (0xFFB0DBDA)
YUV	206.0290, 5.9017, -26.3354
Hunter-Lab	80.5947, -17.2701, 0.5542

Details

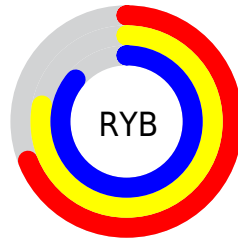
The Yxy color **64.9551, 0.2840, 0.3301** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.2646, 0.3506, 0.3279**, and the grayscale version is **61.7108, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8958, 0.2987, 0.3290**, and **33.4062, 0.2775, 0.3305** is the 20% darker color. If you saturate the color by 10%, you get **62.5819, 0.2709, 0.3307**, and if you desaturate by 10%, it is **67.7455, 0.2982, 0.3295**.

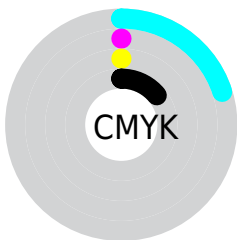
Distribution



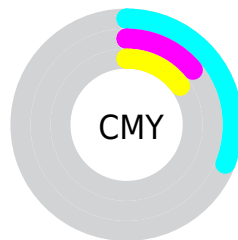
- Red (69%)
- Green (86%)
- Blue (85%)



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



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





- Cyan (31%)
- Magenta (14%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.9551, 0.2840, 0.3301 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 64.9551, 0.2840, 0.3301 by changing the saturation by 10% instead.


 64.9551, 0.2840,
0.3301

 64.9551, 0.2840,
0.3301


442.6306, 0.2975,
0.3297

 47.4247, 0.2809,
0.3302


 111.9853, 0.2887,
0.3300

 33.3715, 0.2770,
0.3302


142.2539, 0.2905,
0.3299

 22.4112, 0.2720,
0.3302

177.5373, 0.2921,
0.3299

 14.1593, 0.2655,
0.3302

218.2199, 0.2935,
0.3299

 8.2316, 0.2565,
0.3301

264.6862, 0.2946,
0.3298

 4.2435, 0.2432,
0.3298

317.3204, 0.2957,

 1.8107, 0.2219,

0.3298

376.5071, 0.2966,
0.3298

0.3286

0.4938, 0.0858,
0.3415

0.0000, 0.0000,
0.0000

64.9551, 0.2840,
0.3301

64.9551, 0.2840,
0.3301

62.5819, 0.2709,
0.3307

67.7455, 0.2982,
0.3295

60.5982, 0.2592,
0.3314


70.9636, 0.3132,
0.3290


58.9853, 0.2492,
0.3321


74.6293, 0.3288,
0.3285


57.7199, 0.2410,
0.3329

77.1002, 0.3383,
0.3280


 56.7760, 0.2347,
0.3336


 77.1271, 0.3379,
0.3275


 56.1239, 0.2303,
0.3343


 77.1540, 0.3375,
0.3270


 55.7283, 0.2278,
0.3351

 77.1810, 0.3372,
0.3265

 55.5293, 0.2267,
0.3358

 77.2080, 0.3368,
0.3260

 55.5237, 0.2266,
0.3358

 77.2352, 0.3365,
0.3255

Harmonies

Analogous

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



64.9551, 0.2979, 0.3468



64.9551, 0.2840, 0.3301



64.9551, 0.2776, 0.3137

Triad

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



64.9551, 0.2840, 0.3301



64.9551, 0.3085, 0.3017



64.9551, 0.3460, 0.3554

Complementary

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



64.9551, 0.2840, 0.3301



49.2646, 0.3506, 0.3279

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.



64.9551, 0.3491, 0.3426



64.9551, 0.2840, 0.3301



64.9551, 0.3271, 0.3121

Square

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



64.9551, 0.2840, 0.3301



64.9551, 0.2914, 0.2980



64.9551, 0.3422, 0.3269



64.9551, 0.3338, 0.3614

Rectangle

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



64.9551, 0.2840, 0.3301



64.9551, 0.2784, 0.3053



64.9551, 0.3422, 0.3269



64.9551, 0.3481, 0.3517

Sweetspot

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



64.9578, 0.2840, 0.3301



97.1901, 0.3036, 0.3293



63.1954, 0.3112, 0.3827



20.7401, 0.3026, 0.3294



0.0000, 0.0000, 0.0000



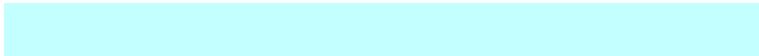
21.4041, 0.3127, 0.3290

Same Dimension

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



64.9578, 0.2840, 0.3301



90.0923, 0.2779, 0.3304



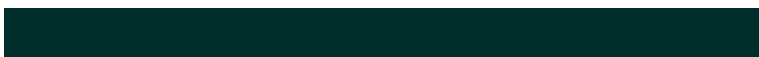
55.1479, 0.2819, 0.3043



14.8241, 0.2985, 0.3295



32.9203, 0.2266, 0.3357



2.1344, 0.2263, 0.3345

Inverse Universe

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



49.2646, 0.3506, 0.3279



63.7043, 0.3619, 0.3277



57.6954, 0.3470, 0.3525



13.0564, 0.3288, 0.3285



8.9387, 0.6374, 0.3285



0.5808, 0.6295, 0.3241

Previews

White Background



This preview shows how the Yxy color 64.9551, 0.2840, 0.3301 looks on a white background.

Color Contrast Check

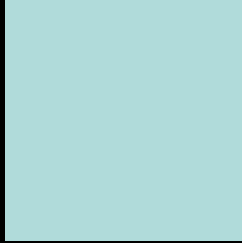
Large Text (above 18pt) WCAG AA × Fail

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 64.9551, 0.2840, 0.3301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

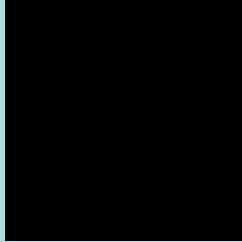
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

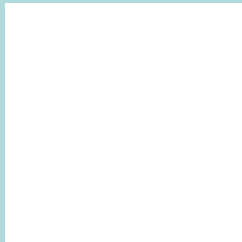
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.9551, 0.2840, 0.3301

Background



This preview shows how black text looks on a background with the Yxy color 64.9551, 0.2840, 0.3301.

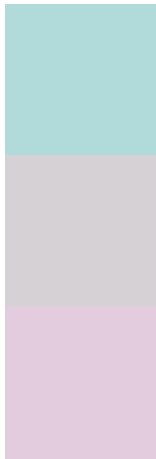


This preview shows how white text looks on a background with the Yxy color 64.9551, 0.2840, 0.3301.

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

64.9551, 0.2840, 0.3301

Protanopia

64.5005, 0.3136, 0.3256

Deuteranopia

64.5749, 0.3174, 0.3105



Tritanopia

65.1499, 0.2764, 0.3091

Trichromacy



Original Color

64.9551, 0.2840, 0.3301

Protanomaly

64.7229, 0.3026, 0.3278

Deuteranomaly

64.1781, 0.3045, 0.3165

Tritanomaly

65.2092, 0.2794, 0.3172

Monochromacy



Original Color

64.9551, 0.2840, 0.3301

Achromatopsia

61.7207, 0.3127, 0.3290

Achromatomaly

62.8438, 0.3017, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.9551, 0.2840, 0.3301 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, 219, 218)` looks like.

```
.text, #text, p{  
    color:rgb(176, 219, 218)  
}
```

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, 219, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 219, 218) }
```

Border

The CSS property to change the border of an element to Yxy 64.9551, 0.2840, 0.3301 is called "border". The border property can be set on classes, ids or directly on the HTML element.

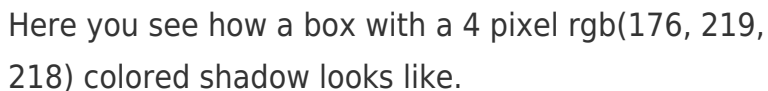
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 219, 218) }
```

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

```
.border{ border-color:rgb(176, 219, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 219, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 219, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 219, 218); box-shadow:4px 4px 4px 4px rgb(176, 219, 218) }
```


Background

The CSS property to change the background color of an element to Yxy 64.9551, 0.2840, 0.3301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 219, 218) }
```

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

```
.background{ background-color: rgb(176,  
219, 218) }
```

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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