

Converting Colors

$Yxy(63.4635, 0.2765, 0.3304)$

Have a look what the booklet for
Yxy(63.4635, 0.2765, 0.3304)
contains.

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Color

Yxy(63.6175, 0.2766, 0.3301)

Conversions

Conversions Part 1

Format	Color
Hex	A4DBDA
RGB	164, 219, 218
RGB Percent	64%, 86%, 85%
CMY	0.3566, 0.1412, 0.1451
CMYK	0.25, 0.00, 0.00, 0.14
HSL	179°, 43%, 75%
HSV	179°, 25%, 86%
XYZ	53.3069, 63.6175, 75.7975
YIQ	202.4410, -32.4590, -11.9710

Conversions

Conversions Part 2

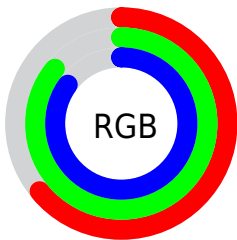
Format	Color
RYB	164, 192, 219
Decimal	10804186
CIELab	83.77, -17.69, -5.24
CIELCh	84, 18.451, 196.508
Yxy	63.6175, 0.2766, 0.3301
Android (android.graphics.Color)	4288994266 (0xFFA4DBDA)
YUV	202.4410, 7.6706, -33.7128
Hunter-Lab	79.7606, -20.2830, -0.5117

Details

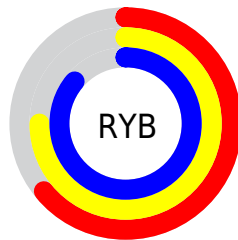
The Yxy color **63.6175, 0.2766, 0.3301** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.3549, 0.3645, 0.3280**, and the grayscale version is **59.3287, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9556, 0.2917, 0.3289**, and **32.5103, 0.2675, 0.3305** is the 20% darker color. If you saturate the color by 10%, you get **61.4653, 0.2642, 0.3306**, and if you desaturate by 10%, it is **66.1761, 0.2903, 0.3296**.

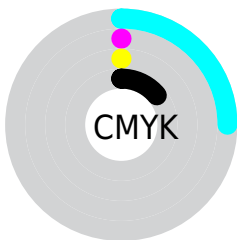
Distribution



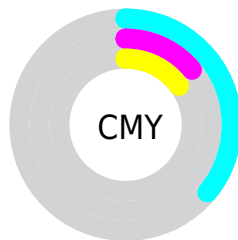
- Red (64%)
- Green (86%)
- Blue (85%)



- Red (64%)
- Yellow (75%)
- Blue (86%)



- Cyan (25%)
- Magenta (0%)
- Yellow (0%)
- Black (14%)





- Cyan (36%)
- Magenta (14%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.6175, 0.2766, 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 63.6175, 0.2766, 0.3301 by changing the saturation by 10% instead.


 63.6175, 0.2766,
0.3301

 63.6175, 0.2766,
0.3301


437.8071, 0.2936,
0.3298

 46.3409, 0.2727,
0.3301

 110.0599, 0.2825,
0.3300

 32.5149, 0.2678,
0.3301


 139.9945, 0.2848,
0.3300

 21.7551, 0.2615,
0.3300

174.9173, 0.2868,
0.3300

 13.6771, 0.2533,
0.3299

215.2126, 0.2885,
0.3299

 7.8964, 0.2419,
0.3295

261.2648, 0.2900,
0.3299

 4.0287, 0.2252,
0.3285

313.4584, 0.2913,

 1.6897, 0.1986,

0.3299

0.3261

372.1777, 0.2925,
0.3298

0.4169, 0.0000,
0.3369

0.0000, 0.0000,
0.0000

63.6175, 0.2766,
0.3301

63.6175, 0.2766,
0.3301

61.4653, 0.2642,
0.3306

66.1761, 0.2903,
0.3296

59.6912, 0.2533,
0.3311

69.1525, 0.3050,
0.3292

58.2755, 0.2442,
0.3317

72.5671, 0.3204,
0.3288

57.1934, 0.2370,
0.3323

76.4368, 0.3361,
0.3285

■ 56.4172, 0.2317,
0.3329

■ 77.0838, 0.3383,
0.3281

■ 55.9145, 0.2283,
0.3334

■ 77.1048, 0.3380,
0.3277

■ 55.6457, 0.2266,
0.3340

■ 77.1258, 0.3377,
0.3273

■ 55.5660, 0.2262,
0.3343

■ 77.1469, 0.3375,
0.3269

■ 77.1680, 0.3372,
0.3265

Harmonies

Analogous

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



63.6175, 0.2939, 0.3514



63.6175, 0.2766, 0.3301



63.6175, 0.2688, 0.3094

Triad

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



63.6175, 0.2766, 0.3301



63.6175, 0.3074, 0.2950



63.6175, 0.3546, 0.3621

Complementary

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



63.6175, 0.2766, 0.3301



44.3549, 0.3645, 0.3280

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.



63.6175, 0.3588, 0.3459



63.6175, 0.2766, 0.3301



63.6175, 0.3309, 0.3080

Square

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



63.6175, 0.2766, 0.3301



63.6175, 0.2860, 0.2902



63.6175, 0.3500, 0.3263



63.6175, 0.3390, 0.3700

Rectangle

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



63.6175, 0.2766, 0.3301



63.6175, 0.2698, 0.2989



63.6175, 0.3500, 0.3263



63.6175, 0.3574, 0.3574

Sweetspot

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



63.6201, 0.2766, 0.3301



96.3105, 0.3005, 0.3293



61.4375, 0.3107, 0.3998



20.4755, 0.2983, 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.



63.6201, 0.2766, 0.3301



88.1756, 0.2700, 0.3304



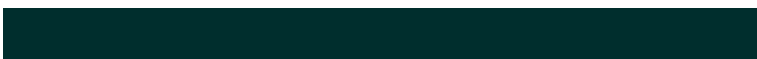
51.3147, 0.2732, 0.2966



14.8253, 0.2985, 0.3294



32.9533, 0.2262, 0.3342



2.1362, 0.2259, 0.3333

Inverse Universe

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



44.3549, 0.3645, 0.3280



56.5906, 0.3793, 0.3277



54.4392, 0.3582, 0.3593



13.0553, 0.3289, 0.3286



8.9368, 0.6380, 0.3288



0.5803, 0.6318, 0.3254

Previews

White Background



This preview shows how the Yxy color 63.6175, 0.2766, 0.3301 looks on a white background.

Color Contrast Check

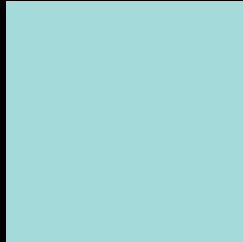
Large Text (above 18pt) WCAG AA × Fail

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 63.6175, 0.2766, 0.3301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

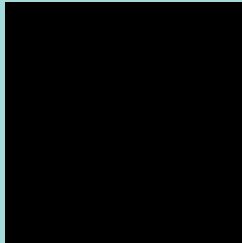
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

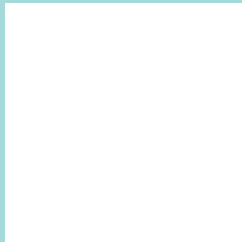
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.6175, 0.2766, 0.3301

Background



This preview shows how black text looks on a background with the Yxy color 63.6175, 0.2766, 0.3301.



This preview shows how white text looks on a background with the Yxy color 63.6175, 0.2766, 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

63.6175, 0.2766, 0.3301

Protanopia

63.1777, 0.3129, 0.3244

Deuteranopia

62.9911, 0.3145, 0.3081



Tritanopia

63.7817, 0.2691, 0.3087

Trichromacy



Original Color

63.6175, 0.2766, 0.3301

Protanomaly

62.9129, 0.2984, 0.3254

Deuteranomaly

62.6966, 0.2994, 0.3152

Tritanomaly

63.8512, 0.2720, 0.3169

Monochromacy



Original Color

63.6175, 0.2766, 0.3301

Achromatopsia

59.0619, 0.3127, 0.3290

Achromatomaly

60.3572, 0.2980, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.6175, 0.2766, 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(164, 219, 218)` looks like.

```
.text, #text, p{  
    color:rgb(164, 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(164, 219, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 219, 218) }
```

Border

The CSS property to change the border of an element to Yxy 63.6175, 0.2766, 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(164, 219, 218) }
```

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

```
.border{ border-color:rgb(164, 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(164, 219, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 219, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 219, 218);  
box-shadow:4px 4px 4px 4px rgb(164, 219,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 63.6175, 0.2766, 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(164, 219, 218) }
```

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

```
.background{ background-color: rgb(164,  
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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