

Converting Colors

$Yxy(69.6158, 0.2824, 0.3336)$

Have a look what the booklet for
Yxy(69.6158, 0.2824, 0.3336)
contains.

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Color

Yxy(69.6130, 0.2824, 0.3336)

Conversions

Conversions Part 1

Format	Color
Hex	B1E3DF
RGB	177, 227, 223
RGB Percent	69%, 89%, 87%
CMY	0.3056, 0.1098, 0.1256
CMYK	0.22, 0.00, 0.02, 0.11
HSL	175°, 47%, 79%
HSV	175°, 22%, 89%
XYZ	58.9290, 69.6130, 80.1301
YIQ	211.5940, -28.5160, -11.8440

Conversions

Conversions Part 2

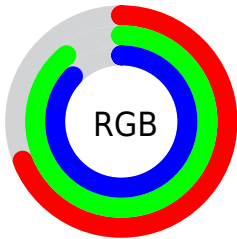
Format	Color
RYB	177, 203, 227
Decimal	11658207
CIELab	86.81, -16.78, -3.32
CIElCh	87, 17.106, 191.176
Yxy	69.6130, 0.2824, 0.3336
Android (android.graphics.Color)	4289848287 (0xFFB1E3DF)
YUV	211.5940, 5.6232, -30.3389
Hunter-Lab	83.4344, -19.9372, 1.4622

Details

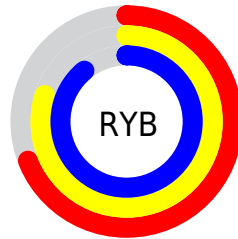
The Yxy color **69.6130, 0.2824, 0.3336** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.1402, 0.3538, 0.3245**, and the grayscale version is **65.5401, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **36.5432, 0.2750, 0.3351** is the 20% darker color. If you saturate the color by 10%, you get **67.0692, 0.2702, 0.3360**, and if you desaturate by 10%, it is **72.6069, 0.2957, 0.3314**.

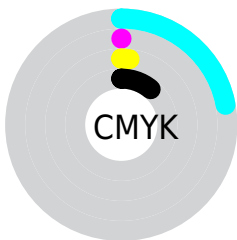
Distribution



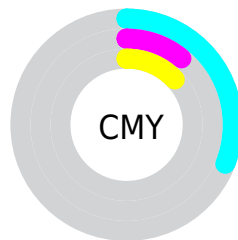
- Red (69%)
- Green (89%)
- Blue (87%)



- Red (69%)
- Yellow (80%)
- Blue (89%)



- Cyan (22%)
- Magenta (0%)
- Yellow (2%)
- Black (11%)





- Cyan (31%)
- Magenta (11%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.6130, 0.2824, 0.3336 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 69.6130, 0.2824, 0.3336 by changing the saturation by 10% instead.

 69.6130, 0.2824,
0.3336

 69.6130, 0.2824,
0.3336


459.1900, 0.2965,
0.3316

 51.2111, 0.2792,
0.3340

 118.6567, 0.2873,
0.3329

 36.3766, 0.2752,
0.3346


150.0673, 0.2892,
0.3327

 24.7252, 0.2702,
0.3352


186.5829, 0.2908,
0.3324

 15.8725, 0.2636,
0.3360

228.5879, 0.2922,
0.3322

 9.4339, 0.2545,
0.3370

276.4667, 0.2935,
0.3320

 5.0253, 0.2415,
0.3383

330.6038, 0.2946,

 2.2621, 0.2211,

0.3319

391.3834, 0.2956,
0.3317

0.3399

0.7535, 0.1449,
0.3563

0.0000, 0.0000,
0.0000

69.6130, 0.2824,
0.3336

69.6130, 0.2824,
0.3336

67.0692, 0.2702,
0.3360

72.6069, 0.2957,
0.3314

64.9452, 0.2593,
0.3385

76.0629, 0.3098,
0.3294

63.2199, 0.2501,
0.3411

80.0028, 0.3245,
0.3276

61.8673, 0.2428,
0.3438

81.9225, 0.3302,
0.3258

■ 60.8580, 0.2373,
0.3465

■ 82.0256, 0.3290,
0.3240

■ 60.1586, 0.2338,
0.3493

■ 82.1298, 0.3278,
0.3222

■ 59.7286, 0.2321,
0.3520

■ 82.2351, 0.3265,
0.3204

■ 59.5258, 0.2317,
0.3542

■ 82.3414, 0.3253,
0.3186

■ 82.4488, 0.3241,
0.3168

Harmonies

Analogous

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



69.6130, 0.2993, 0.3521



69.6130, 0.2824, 0.3336



69.6130, 0.2736, 0.3145

Triad

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



69.6130, 0.2824, 0.3336



69.6130, 0.3042, 0.2969



69.6130, 0.3519, 0.3567

Complementary

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



69.6130, 0.2824, 0.3336



51.1402, 0.3538, 0.3245

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.



69.6130, 0.3535, 0.3413



69.6130, 0.2824, 0.3336



69.6130, 0.3255, 0.3075

Square

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



69.6130, 0.2824, 0.3336



69.6130, 0.2858, 0.2941



69.6130, 0.3437, 0.3235



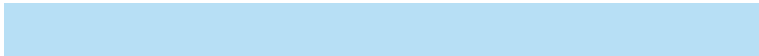
69.6130, 0.3395, 0.3653

Rectangle

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



69.6130, 0.2824, 0.3336



69.6130, 0.2733, 0.3042



69.6130, 0.3437, 0.3235



69.6130, 0.3537, 0.3521

Sweetspot

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



69.6159, 0.2824, 0.3336



96.6784, 0.3026, 0.3304



67.9623, 0.3127, 0.3898



20.6349, 0.3018, 0.3305



0.0000, 0.0000, 0.0000



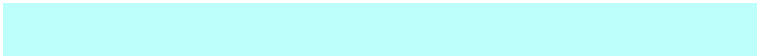
21.4041, 0.3127, 0.3290

Same Dimension

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



69.6159, 0.2824, 0.3336



89.1823, 0.2772, 0.3346



59.1351, 0.2783, 0.3040



16.3154, 0.2992, 0.3309



34.7265, 0.2316, 0.3537



2.5721, 0.2305, 0.3498

Inverse Universe

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



51.1402, 0.3538, 0.3245



61.4224, 0.3641, 0.3236



59.8353, 0.3524, 0.3527



14.3867, 0.3280, 0.3271



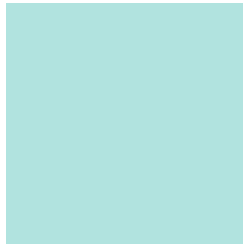
9.5569, 0.6310, 0.3250



0.7128, 0.6080, 0.3123

Previews

White Background



This preview shows how the Yxy color 69.6130, 0.2824, 0.3336 looks on a white background.

Color Contrast Check

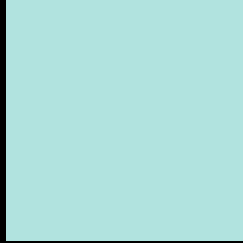
Large Text (above 18pt) WCAG AA × Fail

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 69.6130, 0.2824, 0.3336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

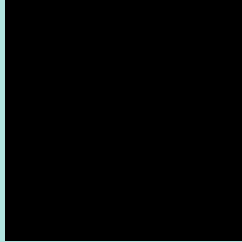
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

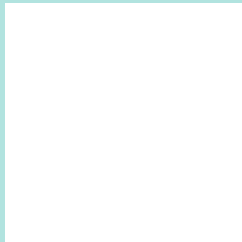
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.6130, 0.2824, 0.3336

Background



This preview shows how black text looks on a background with the Yxy color 69.6130, 0.2824, 0.3336.

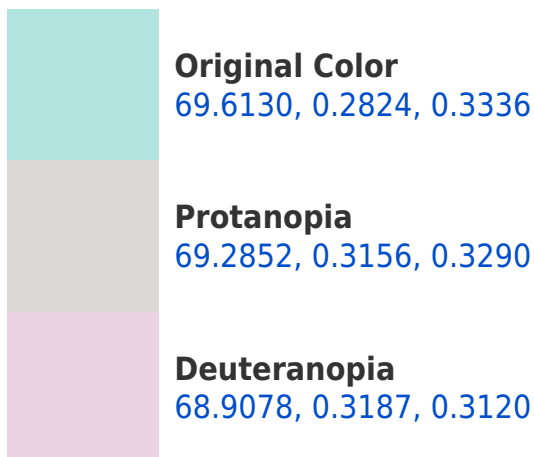


This preview shows how white text looks on a background with the Yxy color 69.6130, 0.2824, 0.3336.

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

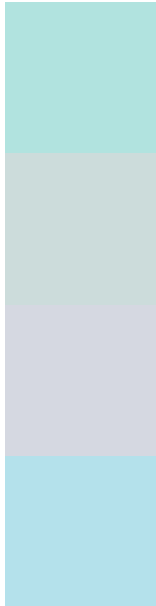




Tritanopia

69.5459, 0.2738, 0.3085

Trichromacy



Original Color

69.6130, 0.2824, 0.3336

Protanomaly

69.1382, 0.3021, 0.3301

Deuteranomaly

68.6941, 0.3046, 0.3190

Tritanomaly

69.5519, 0.2772, 0.3174

Monochromacy



Original Color

69.6130, 0.2824, 0.3336

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

66.7257, 0.3006, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.6130, 0.2824, 0.3336 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, 227, 223)` looks like.

```
.text, #text, p{  
    color:rgb(177, 227, 223)  
}
```

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, 227, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 227, 223) }
```

Border

The CSS property to change the border of an element to Yxy 69.6130, 0.2824, 0.3336 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, 227, 223) }
```

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

```
.border{ border-color:rgb(177, 227, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 227, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 227, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 227, 223);  
box-shadow:4px 4px 4px 4px rgb(177, 227,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 69.6130, 0.2824, 0.3336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 227, 223) }
```

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

```
.background{ background-color: rgb(177,  
227, 223) }
```

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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