

Converting Colors

$Yxy(69.7365, 0.2900, 0.3447)$

Have a look what the booklet for
Yxy(69.7365, 0.2900, 0.3447)
contains.

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Color

Yxy(69.6170, 0.2901, 0.3442)

Conversions

Conversions Part 1

Format	Color
Hex	B5E3D6
RGB	181, 227, 214
RGB Percent	71%, 89%, 84%
CMY	0.2899, 0.1098, 0.1608
CMYK	0.20, 0.00, 0.06, 0.11
HSL	163°, 45%, 80%
HSV	163°, 20%, 89%
XYZ	58.6749, 69.6170, 73.9655
YIQ	211.7640, -23.2430, -13.7950

Conversions

Conversions Part 2

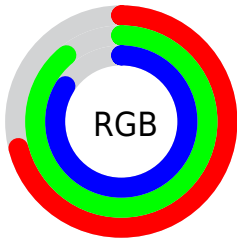
Format	Color
RYB	181, 208, 227
Decimal	11920342
CIELab	86.81, -17.40, 1.44
CIELCh	87, 17.464, 175.262
Yxy	69.6170, 0.2901, 0.3442
Android (android.graphics.Color)	4290110422 (0xFFB5E3D6)
YUV	211.7640, 1.1023, -26.9800
Hunter-Lab	83.4368, -20.4887, 5.8460

Details

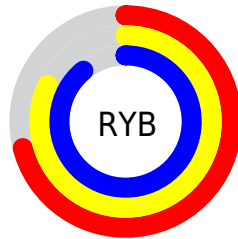
The Yxy color **69.6170, 0.2901, 0.3442** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.3027, 0.3418, 0.3144**, and the grayscale version is **65.6874, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7445, 0.3017, 0.3290**, and **36.5203, 0.2846, 0.3493** is the 20% darker color. If you saturate the color by 10%, you get **66.7729, 0.2799, 0.3528**, and if you desaturate by 10%, it is **72.9269, 0.3010, 0.3363**.

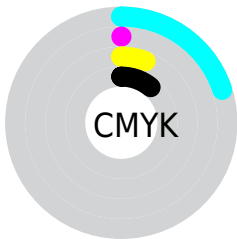
Distribution



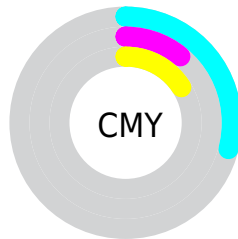
- Red (71%)
- Green (89%)
- Blue (84%)



- Red (71%)
- Yellow (82%)
- Blue (89%)



- Cyan (20%)
- Magenta (0%)
- Yellow (6%)
- Black (11%)





- Cyan (29%)
- Magenta (11%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.6170, 0.2901, 0.3442 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 69.6170, 0.2901, 0.3442 by changing the saturation by 10% instead.

 69.6170, 0.2901,
0.3442

 69.6170, 0.2901,
0.3442


459.2041, 0.3007,
0.3371

 51.2144, 0.2877,
0.3459

 118.6624, 0.2938,
0.3417

 36.3792, 0.2846,
0.3479


150.0740, 0.2952,
0.3407

 24.7272, 0.2808,
0.3505


186.5906, 0.2964,
0.3399

 15.8739, 0.2757,
0.3540

228.5968, 0.2975,
0.3392

 9.4350, 0.2687,
0.3589

276.4768, 0.2984,
0.3386

 5.0260, 0.2584,
0.3660


330.6151, 0.2993,

 2.2625, 0.2420,


0.3380


391.3960, 0.3000,
0.3375

0.3776


 0.7538, 0.1652,
0.4270


 0.0000, 0.0000,
0.0000


 69.6170, 0.2901,
0.3442


 69.6170, 0.2901,
0.3442

 66.7729, 0.2799,
0.3528

 72.9269, 0.3010,
0.3363


 64.3642, 0.2708,
0.3621


 76.7142, 0.3124,
0.3292

 62.3701, 0.2630,
0.3720


 81.0008, 0.3241,
0.3227

 60.7650, 0.2569,
0.3823

 82.4646, 0.3239,
0.3166

 59.5199, 0.2526,
0.3930


 82.8522, 0.3197,
0.3103

 58.6021, 0.2503,
0.4038

 83.2534, 0.3156,
0.3042

 57.9724, 0.2500,
0.4145

 83.4124, 0.3140,
0.3019

 57.5698, 0.2514,
0.4249

Harmonies

Analogous

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



69.6170, 0.3101, 0.3601



69.6170, 0.2901, 0.3442



69.6170, 0.2764, 0.3242

Triad

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



69.6170, 0.2901, 0.3442



69.6170, 0.2934, 0.2936



69.6170, 0.3551, 0.3495

Complementary

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



69.6170, 0.2901, 0.3442



53.3027, 0.3418, 0.3144

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.



69.6170, 0.3504, 0.3319



69.6170, 0.2901, 0.3442



69.6170, 0.3142, 0.3004

Square

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



69.6170, 0.2901, 0.3442



69.6170, 0.2782, 0.2956



69.6170, 0.3352, 0.3142



69.6170, 0.3480, 0.3625

Rectangle

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



69.6170, 0.2901, 0.3442



69.6170, 0.2724, 0.3118



69.6170, 0.3352, 0.3142



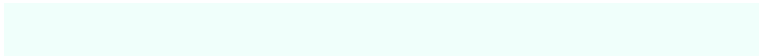
69.6170, 0.3549, 0.3439

Sweetspot

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



69.6199, 0.2901, 0.3442



96.9373, 0.3058, 0.3332



69.7514, 0.3192, 0.3833



20.6802, 0.3050, 0.3337



0.0000, 0.0000, 0.0000



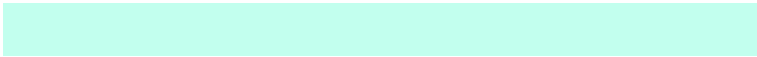
21.4041, 0.3127, 0.3290

Same Dimension

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



69.6199, 0.2901, 0.3442



89.1180, 0.2860, 0.3475



65.0241, 0.2818, 0.3173



16.2632, 0.3019, 0.3357



33.5994, 0.2509, 0.4232



2.4986, 0.2466, 0.4077

Inverse Universe

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



53.3027, 0.3418, 0.3144



64.4630, 0.3490, 0.3113



56.9381, 0.3507, 0.3404



14.4347, 0.3248, 0.3224



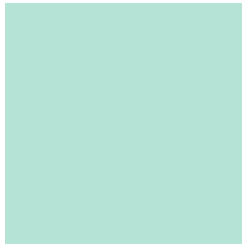
9.7586, 0.5817, 0.2978



0.7367, 0.5400, 0.2748

Previews

White Background



This preview shows how the Yxy color 69.6170, 0.2901, 0.3442 looks on a white background.

Color Contrast Check

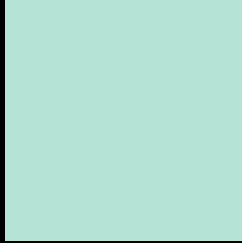
Large Text (above 18pt) WCAG AA × Fail

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 69.6170, 0.2901, 0.3442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

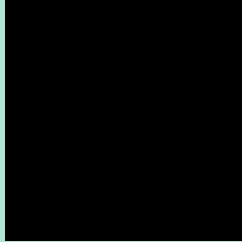
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

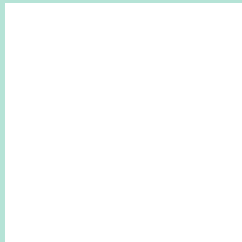
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.6170, 0.2901, 0.3442

Background



This preview shows how black text looks on a background with the Yxy color 69.6170, 0.2901, 0.3442.

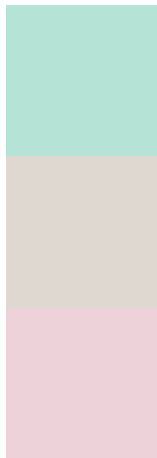


This preview shows how white text looks on a background with the Yxy color 69.6170, 0.2901, 0.3442.

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

69.6170, 0.2901, 0.3442

Protanopia

69.3538, 0.3233, 0.3378

Deuteranopia

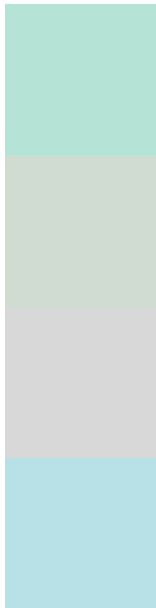
69.1597, 0.3274, 0.3206



Tritanopia

69.5653, 0.2773, 0.3086

Trichromacy



Original Color

69.6170, 0.2901, 0.3442

Protanomaly

69.2494, 0.3108, 0.3403

Deuteranomaly

68.8732, 0.3128, 0.3279

Tritanomaly

69.2712, 0.2819, 0.3209

Monochromacy



Original Color

69.6170, 0.2901, 0.3442

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

66.8473, 0.3039, 0.3336

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.6170, 0.2901, 0.3442 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(181, 227, 214)` looks like.

```
.text, #text, p{  
    color:rgb(181, 227, 214)  
}
```

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(181, 227, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 227, 214) }
```

Border

The CSS property to change the border of an element to Yxy 69.6170, 0.2901, 0.3442 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(181, 227, 214) }
```

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

```
.border{ border-color:rgb(181, 227, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 227, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 227, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 227, 214);  
box-shadow:4px 4px 4px 4px rgb(181, 227,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 69.6170, 0.2901, 0.3442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 227, 214) }
```

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

```
.background{ background-color: rgb(181,  
227, 214) }
```

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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