

Converting Colors

$Yxy(70.8361, 0.2916, 0.3388)$

Have a look what the booklet for
Yxy(70.8361, 0.2916, 0.3388)
contains.

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Color

Yxy(70.7440, 0.2916, 0.3382)

Conversions

Conversions Part 1

Format	Color
Hex	BCE3DB
RGB	188, 227, 219
RGB Percent	74%, 89%, 86%
CMY	0.2626, 0.1098, 0.1413
CMYK	0.17, 0.00, 0.04, 0.11
HSL	168°, 41%, 81%
HSV	168°, 17%, 89%
XYZ	60.9963, 70.7440, 77.4377
YIQ	214.4270, -20.6760, -10.7560

Conversions

Conversions Part 2

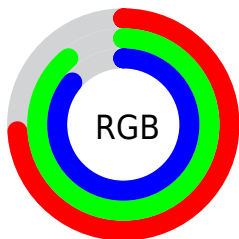
Format	Color
R _Y B	188, 210, 227
Decimal	12379099
CIE Lab	87.36, -14.24, -0.32
CIE LCh	87, 14.244, 181.268
Yxy	70.7440, 0.2916, 0.3382
Android (android.graphics.Color)	4290569179 (0xFFBCE3DB)
YUV	214.4270, 2.2545, -23.1765
Hunter-Lab	84.1095, -17.7431, 4.2896

Details

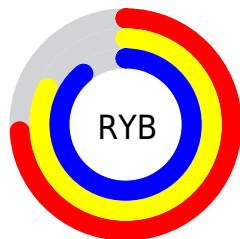
The Yxy color **70.7440, 0.2916, 0.3382** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **56.2985, 0.3390, 0.3200**, and the grayscale version is **67.5466, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **37.2537, 0.2865, 0.3411** is the 20% darker color. If you saturate the color by 10%, you get **67.8437, 0.2803, 0.3443**, and if you desaturate by 10%, it is **74.1106, 0.3037, 0.3327**.

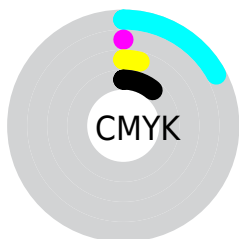
Distribution



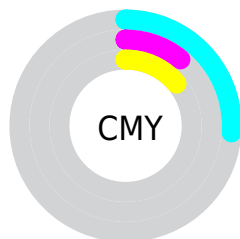
- Red (74%)
- Green (89%)
- Blue (86%)



- Red (74%)
- Yellow (82%)
- Blue (89%)



- Cyan (17%)
- Magenta (0%)
- Yellow (4%)
- Black (11%)




- Cyan (26%)
- Magenta (11%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.7440, 0.2916, 0.3382 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 70.7440, 0.2916, 0.3382 by changing the saturation by 10% instead.


 70.7440, 0.2916,
0.3382

 70.7440, 0.2916,
0.3382

463.1580, 0.3014,
0.3339

 52.1333, 0.2893,
0.3392

 120.2691, 0.2950,
0.3367

 37.1113, 0.2866,
0.3404


151.9524, 0.2963,
0.3361

 25.2937, 0.2830,
0.3419


188.7619, 0.2975,
0.3357

 16.2960, 0.2784,
0.3439

231.0822, 0.2985,
0.3352

 9.7339, 0.2720,
0.3467

279.2975, 0.2993,
0.3348

 5.2229, 0.2627,
0.3506

333.7923, 0.3001,

 2.3786, 0.2481,

0.3345

0.3569

394.9510, 0.3008,
0.3342

0.8149, 0.1984,
0.3788

0.0000, 0.0000,
0.0000

70.7440, 0.2916,
0.3382

70.7440, 0.2916,
0.3382

67.8437, 0.2803,
0.3443

74.1106, 0.3037,
0.3327

65.3796, 0.2700,
0.3508

77.9544, 0.3163,
0.3276


63.3318, 0.2610,
0.3577


82.0821, 0.3284,
0.3231


61.6753, 0.2537,
0.3649


82.3529, 0.3253,
0.3185

 60.3825, 0.2482,
0.3724

 82.6310, 0.3222,
0.3140

 59.4220, 0.2447,
0.3800


 82.9161, 0.3191,
0.3095

 58.7571, 0.2432,
0.3876

 83.2086, 0.3161,
0.3050

 58.3394, 0.2434,
0.3951

 83.4188, 0.3140,
0.3019

 58.2436, 0.2437,
0.3972

Harmonies

Analogous

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



70.7440, 0.3072, 0.3520



70.7440, 0.2916, 0.3382



70.7440, 0.2817, 0.3221

Triad

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



70.7440, 0.2916, 0.3382



70.7440, 0.3002, 0.3006



70.7440, 0.3466, 0.3484

Complementary

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



70.7440, 0.2916, 0.3382



56.2985, 0.3390, 0.3200

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.



70.7440, 0.3447, 0.3345



70.7440, 0.2916, 0.3382



70.7440, 0.3176, 0.3075

Square

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



70.7440, 0.2916, 0.3382



70.7440, 0.2866, 0.3009



70.7440, 0.3340, 0.3197



70.7440, 0.3391, 0.3576

Rectangle

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



70.7440, 0.2916, 0.3382



70.7440, 0.2795, 0.3125



70.7440, 0.3340, 0.3197



70.7440, 0.3471, 0.3441

Sweetspot

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



70.7469, 0.2916, 0.3382



97.4935, 0.3064, 0.3315



70.3703, 0.3164, 0.3746



20.7950, 0.3055, 0.3319



0.0000, 0.0000, 0.0000



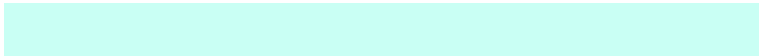
21.4041, 0.3127, 0.3290

Same Dimension

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



70.7469, 0.2916, 0.3382



90.5297, 0.2870, 0.3405



65.3321, 0.2863, 0.3161



16.2828, 0.3009, 0.3339



33.9849, 0.2434, 0.3961



2.5242, 0.2403, 0.3851

Inverse Universe

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



56.2985, 0.3390, 0.3200



68.0213, 0.3466, 0.3178



60.8431, 0.3435, 0.3415



14.4163, 0.3260, 0.3242



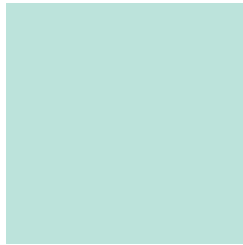
9.6564, 0.6053, 0.3108



0.7268, 0.5653, 0.2888

Previews

White Background



This preview shows how the Yxy color 70.7440, 0.2916, 0.3382 looks on a white background.

Color Contrast Check

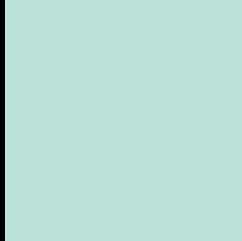
Large Text (above 18pt) WCAG AA × Fail

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 70.7440, 0.2916, 0.3382 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

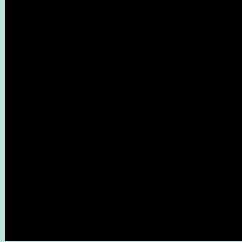
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

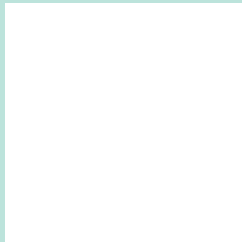
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.7440, 0.2916, 0.3382

Background



This preview shows how black text looks on a background with the Yxy color 70.7440, 0.2916, 0.3382.

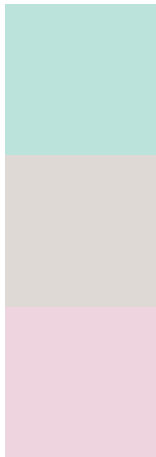


This preview shows how white text looks on a background with the Yxy color 70.7440, 0.2916, 0.3382.

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

70.7440, 0.2916, 0.3382

Protanopia

70.1687, 0.3191, 0.3323

Deuteranopia

70.5380, 0.3251, 0.3185



Tritanopia

70.8687, 0.2811, 0.3099

Trichromacy



Original Color

70.7440, 0.2916, 0.3382

Protanomaly

70.3724, 0.3082, 0.3346

Deuteranomaly

70.0618, 0.3122, 0.3246

Tritanomaly

70.8100, 0.2851, 0.3199

Monochromacy



Original Color

70.7440, 0.2916, 0.3382

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

68.6000, 0.3048, 0.3324

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.7440, 0.2916, 0.3382 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(188, 227, 219)` looks like.

```
.text, #text, p{  
    color:rgb(188, 227, 219)  
}
```

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(188, 227, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 227, 219) }
```

Border

The CSS property to change the border of an element to Yxy 70.7440, 0.2916, 0.3382 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(188, 227, 219) }
```

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

```
.border{ border-color:rgb(188, 227, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 227, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 227, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 227, 219);  
box-shadow:4px 4px 4px 4px rgb(188, 227,  
219) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 70.7440, 0.2916, 0.3382$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 227, 219) }
```

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

```
.background{ background-color: rgb(188,  
227, 219) }
```

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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