

Converting Colors

Yxy(66.8693, 0.2817, 0.3212)

Have a look what the booklet for
Yxy(66.8693, 0.2817, 0.3212)
contains.

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Color

Yxy(67.0827, 0.2821, 0.3219)

Conversions

Conversions Part 1

Format	Color
Hex	B5DDE3
RGB	181, 221, 227
RGB Percent	71%, 87%, 89%
CMY	0.2899, 0.1334, 0.1098
CMYK	0.20, 0.03, 0.00, 0.11
HSL	188°, 45%, 80%
HSV	188°, 20%, 89%
XYZ	58.7885, 67.0827, 82.5248
YIQ	209.7240, -25.7660, -6.6140

Conversions

Conversions Part 2

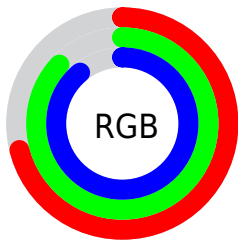
Format	Color
RYB	181, 202, 227
Decimal	11918819
CIELab	85.55, -11.69, -7.27
CIElCh	86, 13.763, 211.891
Yxy	67.0827, 0.2821, 0.3219
Android (android.graphics.Color)	4290108899 (0xFFB5DDE3)
YUV	209.7240, 8.5171, -25.1909
Hunter-Lab	81.9040, -15.2095, -2.4066

Details

The Yxy color **67.0827, 0.2821, 0.3219** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.2439, 0.3516, 0.3360**, and the grayscale version is **64.2229, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7445, 0.3017, 0.3290**, and **34.7630, 0.2743, 0.3196** is the 20% darker color. If you saturate the color by 10%, you get **63.0047, 0.2680, 0.3180**, and if you desaturate by 10%, it is **71.6411, 0.2970, 0.3256**.

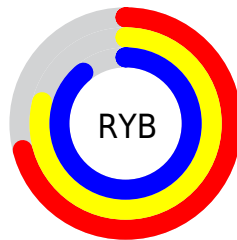
Distribution



Red (71%)

Green (87%)

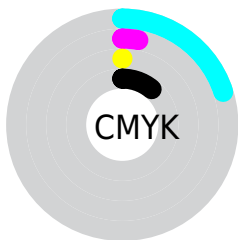
Blue (89%)



Red (71%)

Yellow (79%)

Blue (89%)

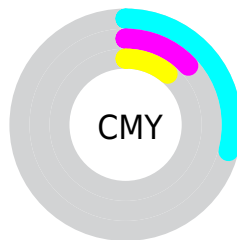


Cyan (20%)

Magenta (3%)

Yellow (0%)

Black (11%)



Cyan (29%)

Magenta (13%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.0827, 0.2821, 0.3219 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 67.0827, 0.2821, 0.3219 by changing the saturation by 10% instead.

■ 67.0827, 0.2821,
0.3219

■ 67.0827, 0.2821,
0.3219

450.2391, 0.2963,
0.3254

■ 49.1518, 0.2788,
0.3210

■ 115.0389, 0.2871,
0.3232

■ 34.7399, 0.2748,
0.3200

145.8330, 0.2890,
0.3236

■ 23.4626, 0.2696,
0.3185

181.6837, 0.2906,
0.3240

■ 14.9355, 0.2629,
0.3166

222.9753, 0.2921,
0.3244

■ 8.7741, 0.2536,
0.3138

270.0923, 0.2933,
0.3247

■ 4.5941, 0.2402,
0.3095

323.4190, 0.2945,

■ 2.0112, 0.2191,

0.3250

383.3398, 0.2955,
0.3252

0.3019

0.6139, 0.1417,
0.2917

0.0000, 0.0000,
0.0000

67.0827, 0.2821,
0.3219

67.0827, 0.2821,
0.3219

63.0047, 0.2680,
0.3180

71.6411, 0.2970,
0.3256

59.3771, 0.2551,
0.3138

76.6920, 0.3123,
0.3289

56.1790, 0.2436,
0.3094

82.2572, 0.3279,
0.3320

53.3848, 0.2337,
0.3048

85.0145, 0.3317,
0.3349

■ 50.9656, 0.2257,
0.3002

■ 86.7101, 0.3314,
0.3378

■ 48.8885, 0.2197,
0.2955

■ 88.4342, 0.3310,
0.3407

■ 47.1146, 0.2155,
0.2909

■ 90.1868, 0.3307,
0.3436

■ 45.6094, 0.2129,
0.2865

■ 91.9682, 0.3303,
0.3464

■ 93.7785, 0.3300,
0.3493

Harmonies

Analogous

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



67.0827, 0.2917, 0.3377



67.0827, 0.2821, 0.3219



67.0827, 0.2805, 0.3086

Triad

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



67.0827, 0.2821, 0.3219



67.0827, 0.3178, 0.3081



67.0827, 0.3385, 0.3572

Complementary

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



67.0827, 0.2821, 0.3219



55.2439, 0.3516, 0.3360

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.



67.0827, 0.3460, 0.3483



67.0827, 0.2821, 0.3219



67.0827, 0.3339, 0.3202

Square

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



67.0827, 0.2821, 0.3219



67.0827, 0.3008, 0.3012



67.0827, 0.3443, 0.3347



67.0827, 0.3241, 0.3586

Rectangle

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



67.0827, 0.2821, 0.3219



67.0827, 0.2841, 0.3029



67.0827, 0.3443, 0.3347



67.0827, 0.3419, 0.3550

Sweetspot

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



67.0854, 0.2821, 0.3219



95.9415, 0.3034, 0.3270



68.3351, 0.3068, 0.3781



20.4440, 0.3024, 0.3268



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.



67.0854, 0.2821, 0.3219



85.1773, 0.2765, 0.3204



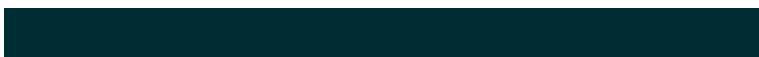
56.0747, 0.2804, 0.2951



15.9975, 0.2982, 0.3258



26.7214, 0.2131, 0.2872



2.0646, 0.2150, 0.2939

Inverse Universe

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



54.6250, 0.3198, 0.2851



66.4693, 0.3213, 0.2764



65.4647, 0.3468, 0.3608



14.5811, 0.3158, 0.3088



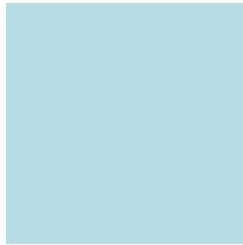
11.8953, 0.3569, 0.1740



0.8881, 0.3509, 0.1707

Previews

White Background



This preview shows how the Yxy color 67.0827, 0.2821, 0.3219 looks on a white background.

Color Contrast Check

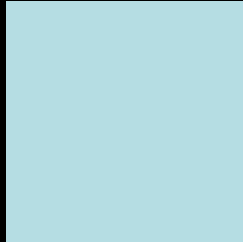
Large Text (above 18pt) WCAG AA × Fail

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 67.0827, 0.2821, 0.3219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

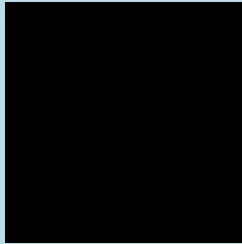
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

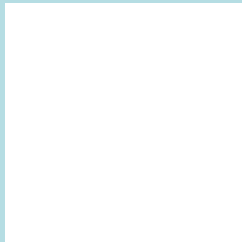
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.0827, 0.2821, 0.3219

Background



This preview shows how black text looks on a background with the Yxy color 67.0827, 0.2821, 0.3219.

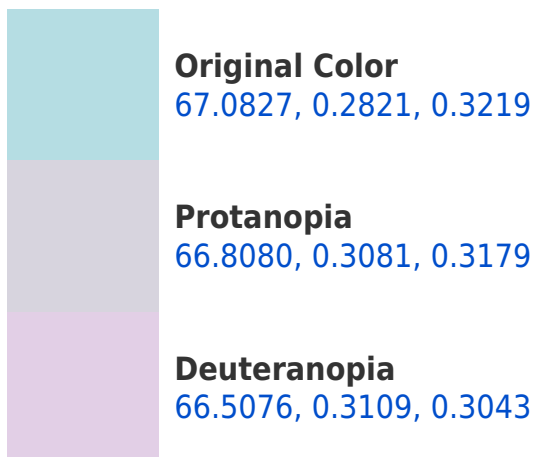


This preview shows how white text looks on a background with the Yxy color 67.0827, 0.2821, 0.3219.

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

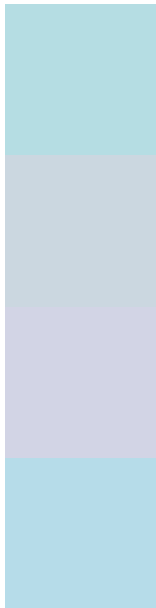




Tritanopia

66.8447, 0.2774, 0.3083

Trichromacy



Original Color

67.0827, 0.2821, 0.3219

Protanomaly

66.6792, 0.2982, 0.3188

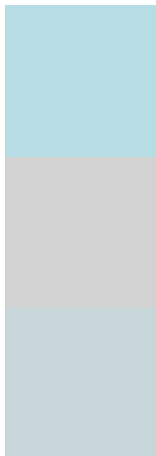
Deuteranomaly

66.4457, 0.2999, 0.3101

Tritanomaly

67.0147, 0.2791, 0.3139

Monochromacy



Original Color

67.0827, 0.2821, 0.3219

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

65.1931, 0.3006, 0.3267

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.0827, 0.2821, 0.3219 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, 221, 227)` looks like.

```
.text, #text, p{  
    color:rgb(181, 221, 227)  
}
```

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, 221, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 221, 227) }
```

Border

The CSS property to change the border of an element to Yxy 67.0827, 0.2821, 0.3219 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, 221, 227) }
```

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

```
.border{ border-color:rgb(181, 221, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 221, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 221, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 221, 227);  
box-shadow:4px 4px 4px 4px rgb(181, 221,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 67.0827, 0.2821, 0.3219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 221, 227) }
```

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

```
.background{ background-color: rgb(181,  
221, 227) }
```

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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