

Converting Colors

Yxy(69.4666, 0.2837, 0.3205)

Have a look what the booklet for
Yxy(69.4666, 0.2837, 0.3205)
contains.

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Color

Yxy(69.6456, 0.2837, 0.3209)

Conversions

Conversions Part 1

Format	Color
Hex	BBE0E7
RGB	187, 224, 231
RGB Percent	73%, 88%, 91%
CMY	0.2667, 0.1215, 0.0940
CMYK	0.19, 0.03, 0.00, 0.09
HSL	190°, 48%, 82%
HSV	190°, 19%, 91%
XYZ	61.5720, 69.6456, 85.8145
YIQ	213.7350, -24.2990, -5.6670

Conversions

Conversions Part 2

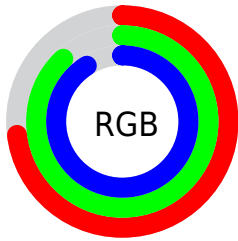
Format	Color
R _{YB}	187, 207, 231
Decimal	12312807
CIE Lab	86.82, -10.57, -7.46
CIE LCh	87, 12.938, 215.215
Yxy	69.6456, 0.2837, 0.3209
Android (android.graphics.Color)	4290502887 (0xFFBBE0E7)
YUV	213.7350, 8.5116, -23.4466
Hunter-Lab	83.4539, -14.3478, -2.5493

Details

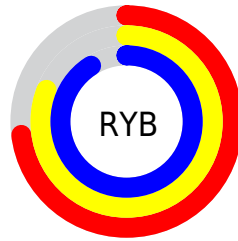
The Yxy color **69.6456, 0.2837, 0.3209** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **59.1634, 0.3487, 0.3370**, and the grayscale version is **67.0121, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9731, 0.3060, 0.3290**, and **36.4576, 0.2772, 0.3198** is the 20% darker color. If you saturate the color by 10%, you get **65.0085, 0.2694, 0.3161**, and if you desaturate by 10%, it is **74.7999, 0.2987, 0.3253**.

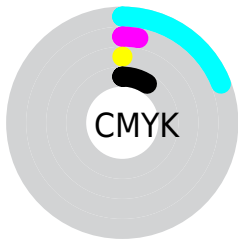
Distribution



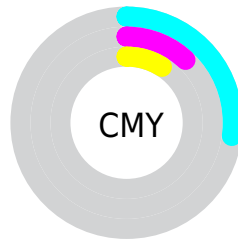
- Red (73%)
- Green (88%)
- Blue (91%)



- Red (73%)
- Yellow (81%)
- Blue (91%)



- Cyan (19%)
- Magenta (3%)
- Yellow (0%)
- Black (9%)



- Cyan (27%)
- Magenta (12%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.6456, 0.2837, 0.3209 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 69.6456, 0.2837, 0.3209 by changing the saturation by 10% instead.

■ 69.6456, 0.2837,
0.3209

■ 69.6456, 0.2837,
0.3209

459.3047, 0.2971,
0.3248

■ 51.2377, 0.2806,
0.3200

■ 118.7032, 0.2884,
0.3223

■ 36.3978, 0.2769,
0.3188

150.1217, 0.2902,
0.3228

■ 24.7416, 0.2721,
0.3172

186.6458, 0.2917,
0.3233

■ 15.8846, 0.2658,
0.3151

228.6599, 0.2931,
0.3237

■ 9.4425, 0.2573,
0.3122

276.5485, 0.2943,
0.3240

■ 5.0309, 0.2451,
0.3077

330.6959, 0.2953,

■ 2.2654, 0.2260,

0.3243

0.3001

391.4865, 0.2963,
0.3246

0.7553, 0.1761,
0.2893

0.0000, 0.0000,
0.0000

69.6456, 0.2837,
0.3209

69.6456, 0.2837,
0.3209

65.0085, 0.2694,
0.3161

74.7999, 0.2987,
0.3253

60.8575, 0.2560,
0.3110

80.4839, 0.3142,
0.3294

57.1709, 0.2440,
0.3056

86.4749, 0.3288,
0.3330

53.9219, 0.2336,
0.3001

88.6048, 0.3284,
0.3366

■ 51.0808, 0.2249,
0.2944

■ 90.7786, 0.3281,
0.3402

■ 48.6137, 0.2183,
0.2886

■ 92.9966, 0.3277,
0.3437

■ 46.4805, 0.2135,
0.2829

■ 95.2589, 0.3273,
0.3473

■ 44.6195, 0.2105,
0.2773

■ 97.5658, 0.3269,
0.3508

■ 44.4515, 0.2102,
0.2767

■ 98.5508, 0.3268,
0.3522

Harmonies

Analogous

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



69.6456, 0.2919, 0.3355



69.6456, 0.2837, 0.3209



69.6456, 0.2831, 0.3090

Triad

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



69.6456, 0.2837, 0.3209



69.6456, 0.3193, 0.3106



69.6456, 0.3354, 0.3557

Complementary

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



69.6456, 0.2837, 0.3209



59.1634, 0.3487, 0.3370

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.



69.6456, 0.3432, 0.3482



69.6456, 0.2837, 0.3209



69.6456, 0.3338, 0.3223

Square

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



69.6456, 0.2837, 0.3209



69.6456, 0.3033, 0.3035



69.6456, 0.3426, 0.3359



69.6456, 0.3216, 0.3560

Rectangle

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



69.6456, 0.2837, 0.3209



69.6456, 0.2870, 0.3042



69.6456, 0.3426, 0.3359



69.6456, 0.3388, 0.3539

Sweetspot

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



69.6485, 0.2837, 0.3209



95.6675, 0.3034, 0.3266



71.6038, 0.3062, 0.3732



20.3790, 0.3024, 0.3263



0.0000, 0.0000, 0.0000



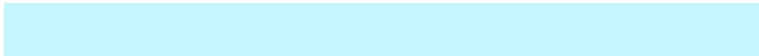
21.4041, 0.3127, 0.3290

Same Dimension

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



69.6485, 0.2837, 0.3209



84.7055, 0.2778, 0.3190



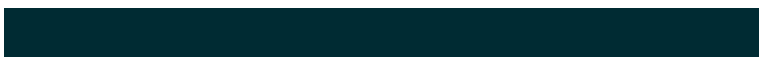
58.7615, 0.2822, 0.2954



15.9247, 0.2981, 0.3252



25.0673, 0.2105, 0.2776



1.9577, 0.2128, 0.2859

Inverse Universe

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



57.9088, 0.3203, 0.2889



67.5307, 0.3221, 0.2802



69.4914, 0.3443, 0.3604



14.5737, 0.3162, 0.3095



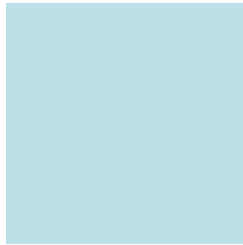
11.7283, 0.3657, 0.1788



0.8773, 0.3581, 0.1746

Previews

White Background



This preview shows how the Yxy color 69.6456, 0.2837, 0.3209 looks on a white background.

Color Contrast Check

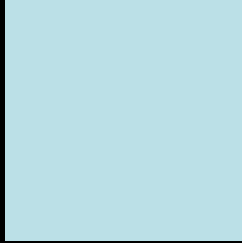
Large Text (above 18pt) WCAG AA × Fail

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 69.6456, 0.2837, 0.3209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

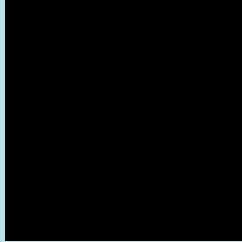
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

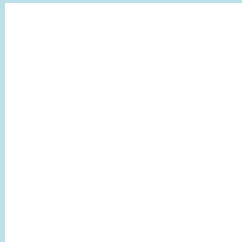
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.6456, 0.2837, 0.3209

Background



This preview shows how black text looks on a background with the Yxy color 69.6456, 0.2837, 0.3209.



This preview shows how white text looks on a background with the Yxy color 69.6456, 0.2837, 0.3209.

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

69.6456, 0.2837, 0.3209

Protanopia

69.5081, 0.3075, 0.3181

Deuteranopia

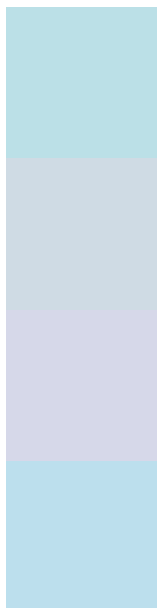
69.3520, 0.3109, 0.3047



Tritanopia

69.8854, 0.2797, 0.3098

Trichromacy



Original Color

69.6456, 0.2837, 0.3209

Protanomaly

69.5299, 0.2985, 0.3190

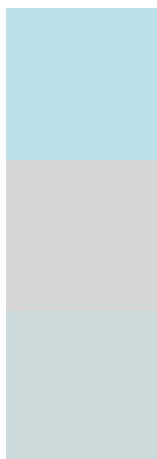
Deuteranomaly

69.2911, 0.3001, 0.3104

Tritanomaly

69.5811, 0.2808, 0.3131

Monochromacy



Original Color

69.6456, 0.2837, 0.3209

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

68.1475, 0.3015, 0.3267

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.6456, 0.2837, 0.3209 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(187, 224, 231)` looks like.

```
.text, #text, p{  
    color:rgb(187, 224, 231)  
}
```

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(187, 224, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 224, 231) }
```

Border

The CSS property to change the border of an element to Yxy 69.6456, 0.2837, 0.3209 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(187, 224, 231) }
```

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

```
.border{ border-color:rgb(187, 224, 231) }
```

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

Here you see how a box with a 4 pixel rgb(187, 224, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 224, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 224, 231);  
box-shadow:4px 4px 4px 4px rgb(187, 224,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 69.6456, 0.2837, 0.3209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 224, 231) }
```

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

```
.background{ background-color: rgb(187,  
224, 231) }
```

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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