

Converting Colors

$Yxy(64.3016, 0.2831, 0.3155)$

Have a look what the booklet for
Yxy(64.3016, 0.2831, 0.3155)
contains.

Yxy(64.2142, 0.2829, 0.3149)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(64.2142, 0.2829, 0.3149)

Conversions

Conversions Part 1

Format	Color
Hex	B7D7E3
RGB	183, 215, 227
RGB Percent	72%, 84%, 89%
CMY	0.2824, 0.1568, 0.1099
CMYK	0.19, 0.05, 0.00, 0.11
HSL	196°, 44%, 80%
HSV	196°, 19%, 89%
XYZ	57.6888, 64.2142, 82.0164
YIQ	206.8000, -22.9240, -3.0520

Conversions

Conversions Part 2

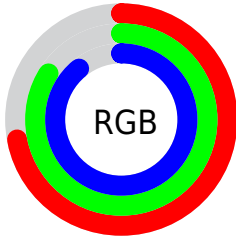
Format	Color
R_{YB}	183, 202, 227
Decimal	12048355
CIE _{Lab}	84.08, -8.03, -9.43
CIE _{LCh}	84, 12.383, 229.581
Yxy	64.2142, 0.2829, 0.3149
Android (android.graphics.Color)	4290238435 (0xFFB7D7E3)
YUV	206.8000, 9.9586, -20.8726
Hunter-Lab	80.1338, -11.7309, -4.5893

Details

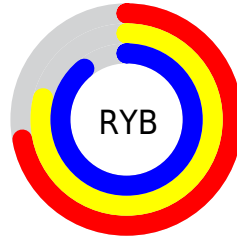
The Yxy color **64.2142, 0.2829, 0.3149** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **58.7582, 0.3483, 0.3427**, and the grayscale version is **62.2062, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0907, 0.3029, 0.3290**, and **32.7873, 0.2751, 0.3102** is the 20% darker color. If you saturate the color by 10%, you get **58.5674, 0.2679, 0.3066**, and if you desaturate by 10%, it is **70.4339, 0.2982, 0.3225**.

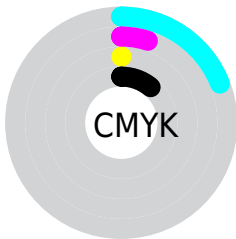
Distribution



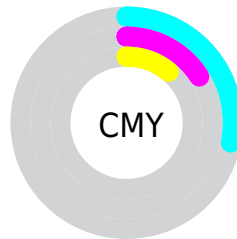
- Red (72%)
- Green (84%)
- Blue (89%)



- Red (72%)
- Yellow (79%)
- Blue (89%)



- Cyan (19%)
- Magenta (5%)
- Yellow (0%)
- Black (11%)



- Cyan (28%)
- Magenta (16%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.2142, 0.2829, 0.3149 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 64.2142, 0.2829, 0.3149 by changing the saturation by 10% instead.

■ 64.2142, 0.2829,
0.3149

■ 64.2142, 0.2829,
0.3149

439.9627, 0.2969,
0.3217

■ 46.8242, 0.2797,
0.3133

■ 110.9194, 0.2878,
0.3173

■ 32.8967, 0.2756,
0.3112

141.0033, 0.2897,
0.3182

■ 22.0473, 0.2705,
0.3086

176.0873, 0.2913,
0.3190

■ 13.8917, 0.2637,
0.3050

216.5559, 0.2927,
0.3197

■ 8.0454, 0.2544,
0.2999

262.7933, 0.2939,
0.3203

■ 4.1240, 0.2408,
0.2922

315.1839, 0.2950,

■ 1.7432, 0.2191,

0.3208

0.2792

374.1123, 0.2960,
0.3213

0.4514, 0.1261,
0.2444

0.0000, 0.0000,
0.0000

64.2142, 0.2829,
0.3149

64.2142, 0.2829,
0.3149

58.5674, 0.2679,
0.3066

70.4339, 0.2982,
0.3225

53.4629, 0.2536,
0.2977

77.2398, 0.3137,
0.3294

48.8786, 0.2404,
0.2882

84.6548, 0.3289,
0.3356

44.7879, 0.2285,
0.2783

88.9610, 0.3309,
0.3416

■ 41.1610, 0.2183,
0.2681

■ 92.6547, 0.3302,
0.3476

■ 37.9642, 0.2101,
0.2578

■ 96.4733, 0.3295,
0.3534

■ 35.1579, 0.2038,
0.2475

■ 98.3253, 0.3292,
0.3562

■ 32.6786, 0.1994,
0.2374

■ 32.5324, 0.1991,
0.2368

Harmonies

Analogous

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



64.2142, 0.2875, 0.3284



64.2142, 0.2829, 0.3149



64.2142, 0.2860, 0.3056

Triad

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



64.2142, 0.2829, 0.3149



64.2142, 0.3265, 0.3160



64.2142, 0.3291, 0.3564

Complementary

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



64.2142, 0.2829, 0.3149



58.7582, 0.3483, 0.3427

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.



64.2142, 0.3400, 0.3522



64.2142, 0.2829, 0.3149



64.2142, 0.3385, 0.3287

Square

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



64.2142, 0.2829, 0.3149



64.2142, 0.3109, 0.3065



64.2142, 0.3435, 0.3419



64.2142, 0.3139, 0.3529

Rectangle

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



64.2142, 0.2829, 0.3149



64.2142, 0.2921, 0.3029



64.2142, 0.3435, 0.3419



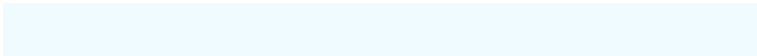
64.2142, 0.3334, 0.3558

Sweetspot

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



64.2168, 0.2829, 0.3149



94.5848, 0.3034, 0.3249



68.9232, 0.3030, 0.3676



20.1225, 0.3024, 0.3244



0.0000, 0.0000, 0.0000



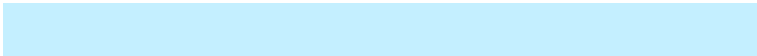
21.4041, 0.3127, 0.3290

Same Dimension

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



64.2168, 0.2829, 0.3149



80.7584, 0.2772, 0.3119



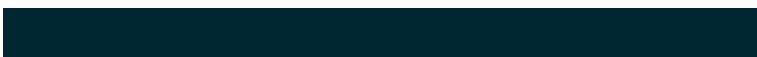
53.8609, 0.2813, 0.2885



15.6381, 0.2981, 0.3225



19.1789, 0.1995, 0.2383



1.5697, 0.2037, 0.2531

Inverse Universe

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



55.0952, 0.3243, 0.2935



67.1322, 0.3270, 0.2864



69.2278, 0.3439, 0.3664



14.5448, 0.3179, 0.3120



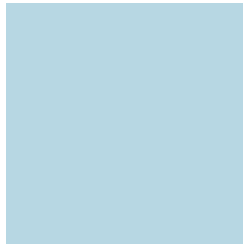
11.1338, 0.4040, 0.1999



0.8381, 0.3891, 0.1917

Previews

White Background



This preview shows how the Yxy color 64.2142, 0.2829, 0.3149 looks on a white background.

Color Contrast Check

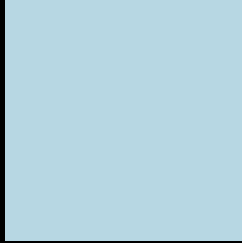
Large Text (above 18pt) WCAG AA × Fail

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 64.2142, 0.2829, 0.3149 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

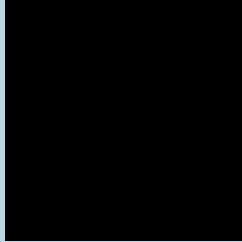
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

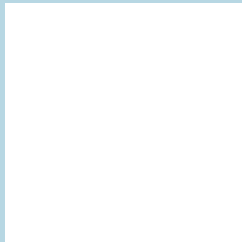
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.2142, 0.2829, 0.3149

Background



This preview shows how black text looks on a background with the Yxy color 64.2142, 0.2829, 0.3149.

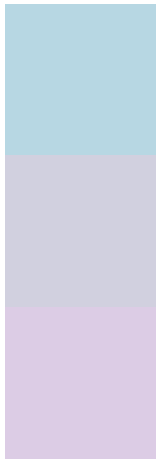


This preview shows how white text looks on a background with the Yxy color 64.2142, 0.2829, 0.3149.

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

64.2142, 0.2829, 0.3149

Protanopia

63.9948, 0.3032, 0.3121

Deuteranopia

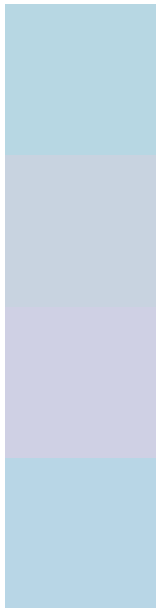
64.0585, 0.3073, 0.3016



Tritanopia

64.0530, 0.2811, 0.3092

Trichromacy



Original Color

64.2142, 0.2829, 0.3149

Protanomaly

64.2497, 0.2961, 0.3141

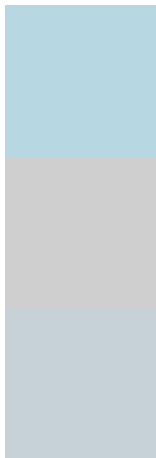
Deuteranomaly

63.9786, 0.2984, 0.3065

Tritanomaly

63.9967, 0.2817, 0.3103

Monochromacy



Original Color

64.2142, 0.2829, 0.3149

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

62.9540, 0.3012, 0.3243

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.2142, 0.2829, 0.3149 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(183, 215, 227)` looks like.

```
.text, #text, p{  
    color:rgb(183, 215, 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(183, 215, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 215, 227) }
```

Border

The CSS property to change the border of an element to Yxy 64.2142, 0.2829, 0.3149 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(183, 215, 227) }
```

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

```
.border{ border-color:rgb(183, 215, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 215, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 215, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 215, 227);  
box-shadow:4px 4px 4px 4px rgb(183, 215,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 64.2142, 0.2829, 0.3149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 215, 227) }
```

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

```
.background{ background-color: rgb(183,  
215, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor