

Converting Colors

$Yxy(64.3750, 0.2830, 0.3115)$

Have a look what the booklet for
Yxy(64.3750, 0.2830, 0.3115)
contains.

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Color

Yxy(64.0646, 0.2829, 0.3115)

Conversions

Conversions Part 1

Format	Color
Hex	B9D6E5
RGB	185, 214, 229
RGB Percent	73%, 84%, 90%
CMY	0.2748, 0.1607, 0.1020
CMYK	0.19, 0.07, 0.00, 0.10
HSL	200°, 46%, 81%
HSV	200°, 19%, 90%
XYZ	58.1826, 64.0646, 83.4177
YIQ	207.0390, -22.0990, -1.4830

Conversions

Conversions Part 2

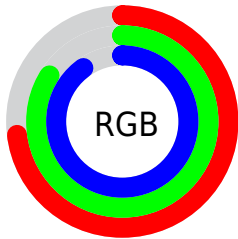
Format	Color
R _Y B	185, 202, 229
Decimal	12179173
CIE Lab	84.00, -6.49, -10.59
CIE LCh	84, 12.422, 238.507
Yxy	64.0646, 0.2829, 0.3115
Android (android.graphics.Color)	4290369253 (0xFFB9D6E5)
YUV	207.0390, 10.8268, -19.3282
Hunter-Lab	80.0404, -10.3162, -5.7635

Details

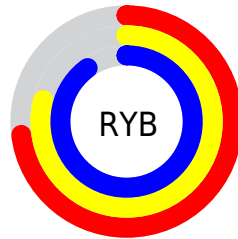
The Yxy color **64.0646, 0.2829, 0.3115** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **61.4154, 0.3474, 0.3459**, and the grayscale version is **62.3566, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6172, 0.3047, 0.3290**, and **32.6776, 0.2751, 0.3057** is the 20% darker color. If you saturate the color by 10%, you get **57.6024, 0.2675, 0.3011**, and if you desaturate by 10%, it is **71.1786, 0.2985, 0.3210**.

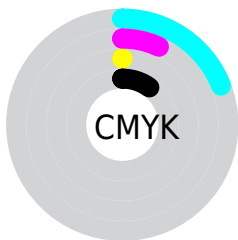
Distribution



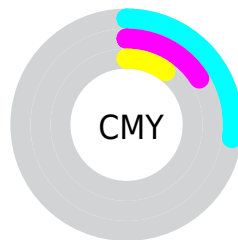
- Red (73%)
- Green (84%)
- Blue (90%)



- Red (73%)
- Yellow (79%)
- Blue (90%)



- Cyan (19%)
- Magenta (7%)
- Yellow (0%)
- Black (10%)



- Cyan (27%)
- Magenta (16%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.0646, 0.2829, 0.3115 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 64.0646, 0.2829, 0.3115 by changing the saturation by 10% instead.

■ 64.0646, 0.2829,
0.3115

■ 64.0646, 0.2829,
0.3115

439.4229, 0.2969,
0.3199

■ 46.7030, 0.2797,
0.3095

■ 110.7040, 0.2878,
0.3145

■ 32.8009, 0.2756,
0.3070

140.7505, 0.2897,
0.3156

■ 21.9740, 0.2705,
0.3038

175.7942, 0.2913,
0.3166

■ 13.8378, 0.2637,
0.2995

216.2193, 0.2927,
0.3174

■ 8.0079, 0.2544,
0.2934

262.4104, 0.2940,
0.3182

■ 4.1000, 0.2408,
0.2842

314.7517, 0.2950,

■ 1.7297, 0.2190,

0.3188

0.2689

373.6278, 0.2960,
0.3194

0.4428, 0.1345,
0.2269

0.0000, 0.0000,
0.0000

64.0646, 0.2829,
0.3115

64.0646, 0.2829,
0.3115

57.6024, 0.2675,
0.3011

71.1786, 0.2985,
0.3210

51.7597, 0.2526,
0.2898

78.9595, 0.3139,
0.3296

46.5127, 0.2385,
0.2778

87.4317, 0.3290,
0.3373

41.8326, 0.2257,
0.2652

92.3021, 0.3290,
0.3448

■ 37.6879, 0.2145,
0.2522

■ 97.1108, 0.3282,
0.3523

■ 34.0428, 0.2052,
0.2390

■ 98.4364, 0.3280,
0.3542

■ 30.8553, 0.1980,
0.2260

■ 28.0606, 0.1927,
0.2132

■ 27.8583, 0.1923,
0.2122

Harmonies

Analogous

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



64.0646, 0.2853, 0.3241



64.0646, 0.2829, 0.3115



64.0646, 0.2883, 0.3040

Triad

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



64.0646, 0.2829, 0.3115



64.0646, 0.3307, 0.3195



64.0646, 0.3249, 0.3563

Complementary

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



64.0646, 0.2829, 0.3115



61.4154, 0.3474, 0.3459

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.



64.0646, 0.3375, 0.3543



64.0646, 0.2829, 0.3115



64.0646, 0.3410, 0.3328

Square

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



64.0646, 0.2829, 0.3115



64.0646, 0.3156, 0.3088



64.0646, 0.3435, 0.3455



64.0646, 0.3092, 0.3506

Rectangle

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



64.0646, 0.2829, 0.3115



64.0646, 0.2956, 0.3026



64.0646, 0.3435, 0.3455



64.0646, 0.3296, 0.3565

Sweetspot

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



64.0672, 0.2829, 0.3115



93.9419, 0.3034, 0.3239



70.4895, 0.3013, 0.3637



19.9704, 0.3024, 0.3233



0.0000, 0.0000, 0.0000



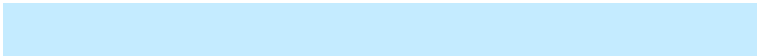
21.4041, 0.3127, 0.3290

Same Dimension

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



64.0672, 0.2829, 0.3115



78.4651, 0.2769, 0.3075



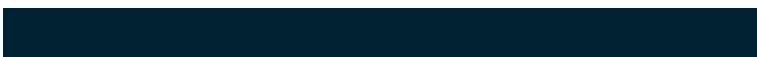
53.7815, 0.2813, 0.2853



15.4686, 0.2981, 0.3208



16.1615, 0.1928, 0.2142



1.3648, 0.1980, 0.2329

Inverse Universe

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



56.1810, 0.3266, 0.2970



66.9007, 0.3300, 0.2902



72.2098, 0.3430, 0.3692



14.5277, 0.3190, 0.3136



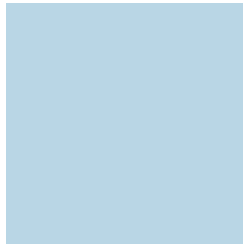
10.8292, 0.4295, 0.2140



0.8175, 0.4096, 0.2030

Previews

White Background



This preview shows how the Yxy color 64.0646, 0.2829, 0.3115 looks on a white background.

Color Contrast Check

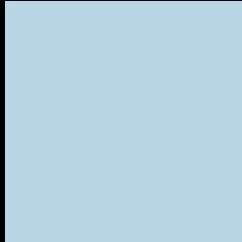
Large Text (above 18pt) WCAG AA × Fail

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 64.0646, 0.2829, 0.3115 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

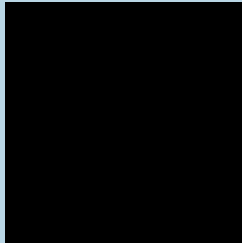
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

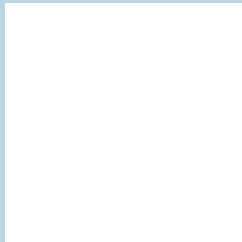
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.0646, 0.2829, 0.3115

Background



This preview shows how black text looks on a background with the Yxy color 64.0646, 0.2829, 0.3115.

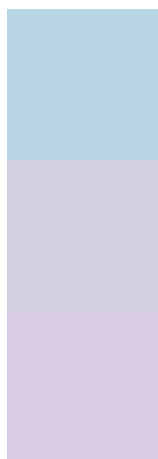


This preview shows how white text looks on a background with the Yxy color 64.0646, 0.2829, 0.3115.

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

64.0646, 0.2829, 0.3115

Protanopia

63.9579, 0.3011, 0.3098

Deuteranopia

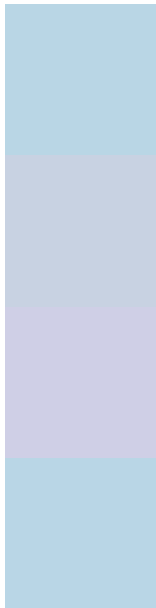
63.5415, 0.3052, 0.2984



Tritanopia

64.1769, 0.2817, 0.3092

Trichromacy



Original Color

64.0646, 0.2829, 0.3115

Protanomaly

63.8635, 0.2948, 0.3107

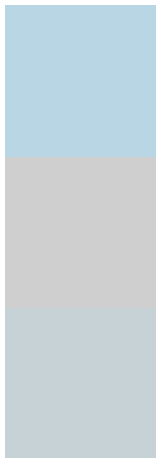
Deuteranomaly

63.6042, 0.2971, 0.3032

Tritanomaly

64.1206, 0.2823, 0.3103

Monochromacy



Original Color

64.0646, 0.2829, 0.3115

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

63.1416, 0.3013, 0.3232

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.0646, 0.2829, 0.3115 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(185, 214, 229)` looks like.

```
.text, #text, p{  
    color:rgb(185, 214, 229)  
}
```

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(185, 214, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 214, 229) }
```

Border

The CSS property to change the border of an element to Yxy 64.0646, 0.2829, 0.3115 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(185, 214, 229) }
```

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

```
.border{ border-color:rgb(185, 214, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 214, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 214, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 214, 229);  
box-shadow:4px 4px 4px 4px rgb(185, 214,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 64.0646, 0.2829, 0.3115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 214, 229) }
```

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

```
.background{ background-color: rgb(185,  
214, 229) }
```

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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