

Converting Colors

$Yxy(64.9919, 0.2825, 0.3093)$

Have a look what the booklet for
Yxy(64.9919, 0.2825, 0.3093)
contains.

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Color

Yxy(64.9919, 0.2825, 0.3093)

Conversions

Conversions Part 1

Format	Color
Hex	BBD7E8
RGB	187, 215, 232
RGB Percent	73%, 84%, 91%
CMY	0.2667, 0.1568, 0.0901
CMYK	0.19, 0.07, 0.00, 0.09
HSL	203°, 49%, 82%
HSV	203°, 19%, 91%
XYZ	59.3605, 64.9919, 85.7733
YIQ	208.5660, -22.1450, -0.6490

Conversions

Conversions Part 2

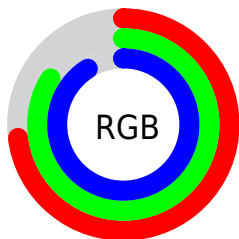
Format	Color
R _Y B	187, 204, 232
Decimal	12310504
CIE Lab	84.48, -5.71, -11.47
CIE LCh	84, 12.815, 243.526
Yxy	64.9919, 0.2825, 0.3093
Android (android.graphics.Color)	4290500584 (0xFFBBD7E8)
YUV	208.5660, 11.5530, -18.9134
Hunter-Lab	80.6176, -9.6471, -6.6495

Details

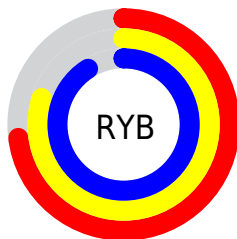
The Yxy color **64.9919, 0.2825, 0.3093** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.9385, 0.3474, 0.3479**, and the grayscale version is **63.3991, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9731, 0.3060, 0.3290**, and **33.2627, 0.2753, 0.3045** is the 20% darker color. If you saturate the color by 10%, you get **57.9539, 0.2669, 0.2976**, and if you desaturate by 10%, it is **72.7474, 0.2982, 0.3199**.

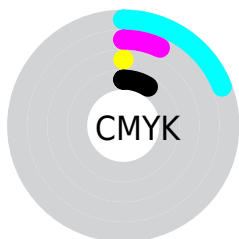
Distribution



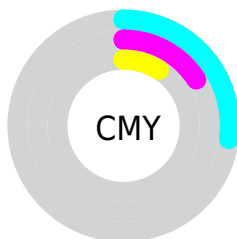
- Red (73%)
- Green (84%)
- Blue (91%)



- Red (73%)
- Yellow (80%)
- Blue (91%)



- Cyan (19%)
- Magenta (7%)
- Yellow (0%)
- Black (9%)



- Cyan (27%)
- Magenta (16%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.9919, 0.2825, 0.3093 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 64.9919, 0.2825, 0.3093 by changing the saturation by 10% instead.

■ 64.9919, 0.2825,
0.3093

■ 64.9919, 0.2825,
0.3093

442.7629, 0.2966,
0.3187

■ 47.4545, 0.2792,
0.3071

■ 112.0382, 0.2874,
0.3126

■ 33.3951, 0.2752,
0.3043

142.3159, 0.2893,
0.3139

■ 22.4293, 0.2700,
0.3007

177.6092, 0.2910,
0.3150

■ 14.1727, 0.2632,
0.2960

218.3024, 0.2924,
0.3159

■ 8.2409, 0.2539,
0.2893

264.7800, 0.2937,
0.3168

■ 4.2495, 0.2403,
0.2794

317.4264, 0.2948,

■ 1.8141, 0.2189,

0.3175

0.2631

376.6258, 0.2958,
0.3181

0.4959, 0.1494,
0.2233

0.0000, 0.0000,
0.0000

64.9919, 0.2825,
0.3093

64.9919, 0.2825,
0.3093

57.9539, 0.2669,
0.2976

72.7474, 0.2982,
0.3199

51.5990, 0.2516,
0.2850

81.2371, 0.3136,
0.3295

45.9015, 0.2371,
0.2715

90.1818, 0.3275,
0.3381

40.8307, 0.2237,
0.2573

95.5077, 0.3267,
0.3466

■ 36.3526, 0.2120,
0.2427

■ 98.6073, 0.3262,
0.3512

■ 32.4290, 0.2022,
0.2279

■ 29.0153, 0.1945,
0.2133

■ 26.0422, 0.1887,
0.1991

■ 25.8742, 0.1884,
0.1982

Harmonies

Analogous

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



64.9919, 0.2836, 0.3216



64.9919, 0.2825, 0.3093



64.9919, 0.2893, 0.3027

Triad

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



64.9919, 0.2825, 0.3093



64.9919, 0.3334, 0.3214



64.9919, 0.3226, 0.3566

Complementary

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



64.9919, 0.2825, 0.3093



63.9385, 0.3474, 0.3479

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.



64.9919, 0.3364, 0.3558



64.9919, 0.2825, 0.3093



64.9919, 0.3428, 0.3352

Square

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



64.9919, 0.2825, 0.3093



64.9919, 0.3185, 0.3098



64.9919, 0.3438, 0.3478



64.9919, 0.3065, 0.3495

Rectangle

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



64.9919, 0.2825, 0.3093



64.9919, 0.2974, 0.3021



64.9919, 0.3438, 0.3478



64.9919, 0.3277, 0.3572

Sweetspot

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



64.9946, 0.2825, 0.3093



93.5788, 0.3034, 0.3233



72.6245, 0.3003, 0.3623



19.8844, 0.3024, 0.3227



0.0000, 0.0000, 0.0000



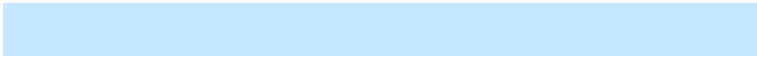
21.4041, 0.3127, 0.3290

Same Dimension

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



64.9946, 0.2825, 0.3093



77.1867, 0.2767, 0.3051



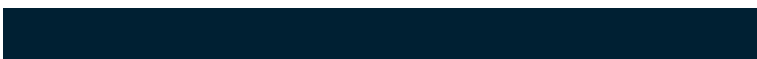
54.5317, 0.2809, 0.2830



15.3731, 0.2981, 0.3199



14.6118, 0.1890, 0.2005



1.2573, 0.1948, 0.2213

Inverse Universe

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



57.6050, 0.3281, 0.2985



66.7717, 0.3317, 0.2924



75.1484, 0.3431, 0.3712



14.5180, 0.3196, 0.3145



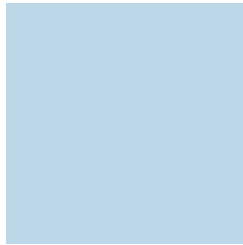
10.6728, 0.4447, 0.2223



0.8066, 0.4218, 0.2097

Previews

White Background



This preview shows how the Yxy color 64.9919, 0.2825, 0.3093 looks on a white background.

Color Contrast Check

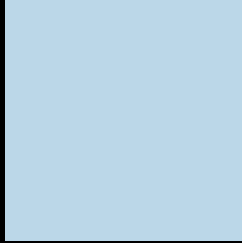
Large Text (above 18pt) WCAG AA × Fail

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 64.9919, 0.2825, 0.3093 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

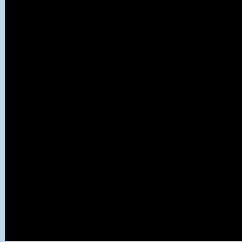
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

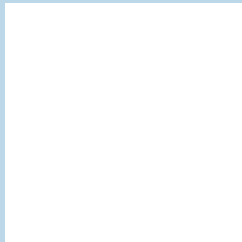
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.9919, 0.2825, 0.3093

Background



This preview shows how black text looks on a background with the Yxy color 64.9919, 0.2825, 0.3093.

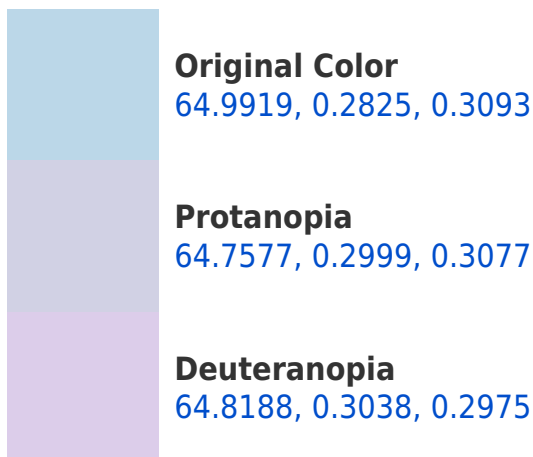


This preview shows how white text looks on a background with the Yxy color 64.9919, 0.2825, 0.3093.

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

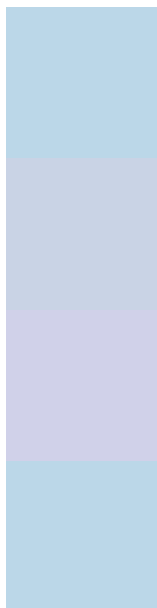




Tritanopia

64.9919, 0.2825, 0.3093

Trichromacy



Original Color

64.9919, 0.2825, 0.3093

Protanomaly

64.6632, 0.2936, 0.3086

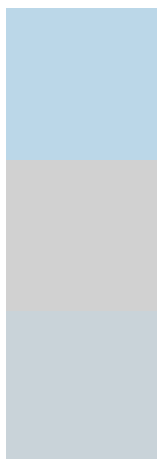
Deuteranomaly

64.8940, 0.2959, 0.3023

Tritanomaly

64.9919, 0.2825, 0.3093

Monochromacy



Original Color

64.9919, 0.2825, 0.3093

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

64.0158, 0.3014, 0.3221

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.9919, 0.2825, 0.3093 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, 215, 232)` looks like.

```
.text, #text, p{  
    color:rgb(187, 215, 232)  
}
```

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, 215, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 215, 232) }
```

Border

The CSS property to change the border of an element to Yxy 64.9919, 0.2825, 0.3093 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, 215, 232) }
```

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

```
.border{ border-color:rgb(187, 215, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 215, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 215, 232); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 215, 232); box-shadow:4px 4px 4px 4px rgb(187, 215, 232) }
```


Background

The CSS property to change the background color of an element to Yxy 64.9919, 0.2825, 0.3093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 215, 232) }
```

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

```
.background{ background-color: rgb(187,  
215, 232) }
```

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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