

Converting Colors

$Yxy(64.1860, 0.2820, 0.3095)$

Have a look what the booklet for
Yxy(64.1860, 0.2820, 0.3095)
contains.

Yxy(64.1769, 0.2817, 0.3092)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(64.1769, 0.2817, 0.3092)

Conversions

Conversions Part 1

Format	Color
Hex	B9D6E7
RGB	185, 214, 231
RGB Percent	73%, 84%, 91%
CMY	0.2747, 0.1607, 0.0941
CMYK	0.20, 0.07, 0.00, 0.09
HSL	202°, 49%, 82%
HSV	202°, 20%, 91%
XYZ	58.4691, 64.1769, 84.9119
YIQ	207.2670, -22.7410, -0.8610

Conversions

Conversions Part 2

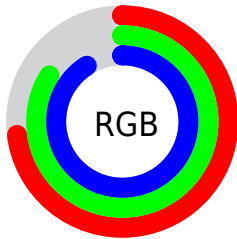
Format	Color
R _Y B	185, 203, 231
Decimal	12179175
CIE Lab	84.06, -6.05, -11.58
CIE LCh	84, 13.061, 242.430
Yxy	64.1769, 0.2817, 0.3092
Android (android.graphics.Color)	4290369255 (0xFFB9D6E7)
YUV	207.2670, 11.7004, -19.5282
Hunter-Lab	80.1105, -9.9142, -6.7662

Details

The Yxy color **64.1769, 0.2817, 0.3092** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **62.7038, 0.3486, 0.3480**, and the grayscale version is **62.5082, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6172, 0.3047, 0.3290**, and **32.7167, 0.2743, 0.3043** is the 20% darker color. If you saturate the color by 10%, you get **57.3353, 0.2661, 0.2978**, and if you desaturate by 10%, it is **71.7162, 0.2974, 0.3196**.

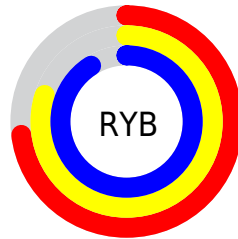
Distribution



Red (73%)

Green (84%)

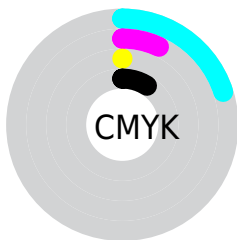
Blue (91%)



Red (73%)

Yellow (80%)

Blue (91%)

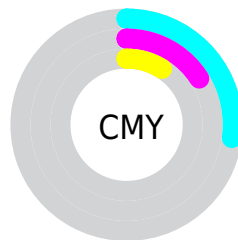


Cyan (20%)

Magenta (7%)

Yellow (0%)

Black (9%)



Cyan (27%)

Magenta (16%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.1769, 0.2817, 0.3092 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 64.1769, 0.2817, 0.3092 by changing the saturation by 10% instead.

■ 64.1769, 0.2817,
0.3092

■ 64.1769, 0.2817,
0.3092

439.8282, 0.2962,
0.3187

■ 46.7940, 0.2783,
0.3070

■ 110.8657, 0.2868,
0.3125

■ 32.8728, 0.2742,
0.3042

140.9403, 0.2887,
0.3138

■ 22.0290, 0.2688,
0.3005

176.0142, 0.2904,
0.3149

■ 13.8782, 0.2618,
0.2957

216.4720, 0.2919,
0.3159

■ 8.0360, 0.2522,
0.2889

262.6978, 0.2932,
0.3167

■ 4.1180, 0.2381,
0.2788

315.0762, 0.2943,

■ 1.7398, 0.2157,

0.3174

0.2620

373.9915, 0.2953,
0.3181

0.4492, 0.1352,
0.2173

0.0000, 0.0000,
0.0000

64.1769, 0.2817,
0.3092

64.1769, 0.2817,
0.3092

57.3353, 0.2661,
0.2978

71.7162, 0.2974,
0.3196

51.1575, 0.2510,
0.2854

79.9696, 0.3128,
0.3291

45.6183, 0.2366,
0.2722

88.9628, 0.3279,
0.3375

40.6875, 0.2235,
0.2583

94.2289, 0.3275,
0.3457

■ 36.3315, 0.2120,
0.2441

■ 98.5500, 0.3268,
0.3522

■ 32.5126, 0.2024,
0.2297

■ 29.1865, 0.1949,
0.2155

■ 26.2799, 0.1894,
0.2016

■ 26.2629, 0.1893,
0.2015

Harmonies

Analogous

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



64.1769, 0.2831, 0.3219



64.1769, 0.2817, 0.3092



64.1769, 0.2883, 0.3022

Triad

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



64.1769, 0.2817, 0.3092



64.1769, 0.3334, 0.3207



64.1769, 0.3234, 0.3574

Complementary

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



64.1769, 0.2817, 0.3092



62.7038, 0.3486, 0.3480

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.



64.1769, 0.3373, 0.3563



64.1769, 0.2817, 0.3092



64.1769, 0.3433, 0.3348

Square

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



64.1769, 0.2817, 0.3092



64.1769, 0.3180, 0.3090



64.1769, 0.3447, 0.3478



64.1769, 0.3069, 0.3503

Rectangle

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



64.1769, 0.2817, 0.3092



64.1769, 0.2965, 0.3014



64.1769, 0.3447, 0.3478



64.1769, 0.3286, 0.3579

Sweetspot

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



64.1795, 0.2817, 0.3092



93.6644, 0.3034, 0.3234



71.7208, 0.2999, 0.3633



19.9047, 0.3024, 0.3228



0.0000, 0.0000, 0.0000



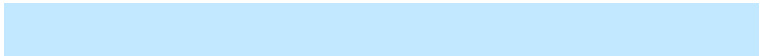
21.4041, 0.3127, 0.3290

Same Dimension

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



64.1795, 0.2817, 0.3092



76.6148, 0.2751, 0.3045



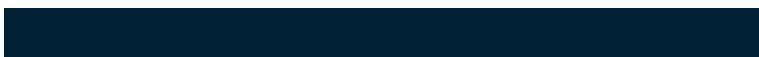
53.3787, 0.2800, 0.2816



15.3956, 0.2981, 0.3201



14.9671, 0.1899, 0.2038



1.2821, 0.1956, 0.2241

Inverse Universe

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



56.5226, 0.3283, 0.2972



65.6049, 0.3322, 0.2902



74.2693, 0.3439, 0.3724



14.5203, 0.3194, 0.3143



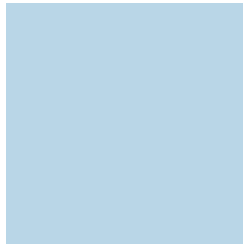
10.7087, 0.4411, 0.2203



0.8091, 0.4189, 0.2081

Previews

White Background



This preview shows how the Yxy color 64.1769, 0.2817, 0.3092 looks on a white background.

Color Contrast Check

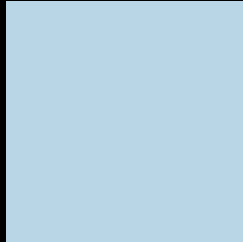
Large Text (above 18pt) WCAG AA × Fail

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 64.1769, 0.2817, 0.3092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

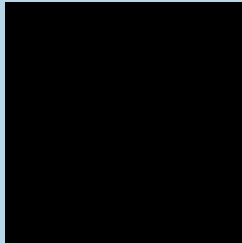
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

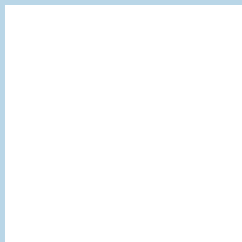
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.1769, 0.2817, 0.3092

Background



This preview shows how black text looks on a background with the Yxy color 64.1769, 0.2817, 0.3092.



This preview shows how white text looks on a background with the Yxy color 64.1769, 0.2817, 0.3092.

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

64.1769, 0.2817, 0.3092

Protanopia

64.0677, 0.2998, 0.3076

Deuteranopia

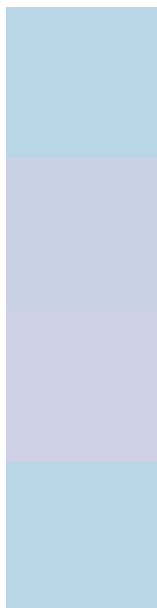
63.9743, 0.3031, 0.2973



Tritanopia

64.1769, 0.2817, 0.3092

Trichromacy



Original Color

64.1769, 0.2817, 0.3092

Protanomaly

63.9740, 0.2935, 0.3085

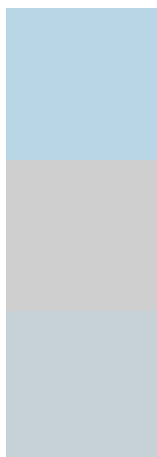
Deuteranomaly

64.0598, 0.2951, 0.3021

Tritanomaly

64.1769, 0.2817, 0.3092

Monochromacy



Original Color

64.1769, 0.2817, 0.3092

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

63.1932, 0.3006, 0.3220

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.1769, 0.2817, 0.3092 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, 231)` looks like.

```
.text, #text, p{  
    color:rgb(185, 214, 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(185, 214, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 214, 231) }
```

Border

The CSS property to change the border of an element to Yxy 64.1769, 0.2817, 0.3092 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, 231) }
```

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

```
.border{ border-color:rgb(185, 214, 231) }
```

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, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 214, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 214, 231);  
box-shadow:4px 4px 4px 4px rgb(185, 214,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 64.1769, 0.2817, 0.3092 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, 231) }
```

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

```
.background{ background-color: rgb(185,  
214, 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](#).

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