

Converting Colors

$Yxy(64.8676, 0.2858, 0.3091)$

Have a look what the booklet for
Yxy(64.8676, 0.2858, 0.3091)
contains.

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Color

Yxy(64.9390, 0.2857, 0.3094)

Conversions

Conversions Part 1

Format	Color
Hex	BFD6E7
RGB	191, 214, 231
RGB Percent	75%, 84%, 91%
CMY	0.2508, 0.1608, 0.0941
CMYK	0.17, 0.07, 0.00, 0.09
HSL	206°, 45%, 83%
HSV	206°, 17%, 91%
XYZ	59.9647, 64.9390, 84.9832
YIQ	209.0610, -19.1650, 0.4110

Conversions

Conversions Part 2

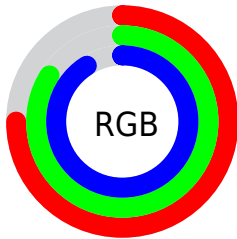
Format	Color
R_{YB}	191, 206, 231
Decimal	12572391
CIE Lab	84.45, -4.15, -10.95
CIE LCh	84, 11.709, 249.241
Yxy	64.9390, 0.2857, 0.3094
Android (android.graphics.Color)	4290762471 (0xFFBFD6E7)
YUV	209.0610, 10.8159, -15.8395
Hunter-Lab	80.5847, -8.1979, -6.1168

Details

The Yxy color `64.9390, 0.2857, 0.3094` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `65.8953, 0.3428, 0.3478`, and the grayscale version is `63.7458, 0.3127, 0.3290`.

A 20% lighter version of the original color is `98.6965, 0.3084, 0.3290`, and `33.2098, 0.2793, 0.3046` is the 20% darker color. If you saturate the color by 10%, you get `57.3490, 0.2698, 0.2964`, and if you desaturate by 10%, it is `73.3074, 0.3015, 0.3212`.

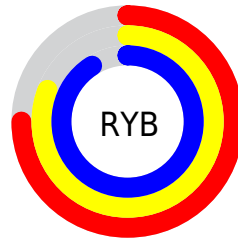
Distribution



Red (75%)

Green (84%)

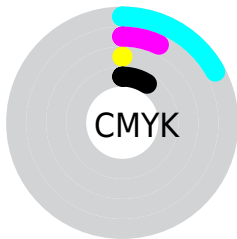
Blue (91%)



Red (75%)

Yellow (81%)

Blue (91%)

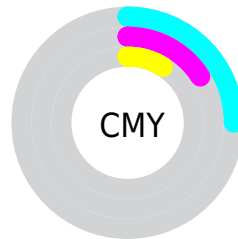


Cyan (17%)

Magenta (7%)

Yellow (0%)

Black (9%)



Cyan (25%)

Magenta (16%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.9390, 0.2857, 0.3094 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 64.9390, 0.2857, 0.3094 by changing the saturation by 10% instead.

■ 64.9390, 0.2857,
0.3094

■ 64.9390, 0.2857,
0.3094

442.5727, 0.2984,
0.3187

■ 47.4116, 0.2828,
0.3072

■ 111.9622, 0.2901,
0.3127

■ 33.3612, 0.2791,
0.3045

142.2267, 0.2918,
0.3139

■ 22.4033, 0.2745,
0.3010

177.5058, 0.2933,
0.3150

■ 14.1535, 0.2684,
0.2963

218.1838, 0.2946,
0.3160

■ 8.2275, 0.2599,
0.2898

264.6451, 0.2957,
0.3168

■ 4.2409, 0.2476,
0.2801

317.2741, 0.2967,

■ 1.8092, 0.2280,

0.3175

0.2642

376.4552, 0.2976,
0.3181

■ 0.4929, 0.1667,
0.2237

■ 0.0000, 0.0000,
0.0000

■ 64.9390, 0.2857,
0.3094

■ 64.9390, 0.2857,
0.3094

■ 57.3490, 0.2698,
0.2964

■ 73.3074, 0.3015,
0.3212

■ 50.5021, 0.2540,
0.2823

■ 82.4719, 0.3168,
0.3317

■ 44.3716, 0.2387,
0.2671

■ 91.4319, 0.3280,
0.3413

■ 38.9260, 0.2245,
0.2511

■ 97.4939, 0.3269,
0.3507

■ 34.1307, 0.2116,
0.2346

■ 98.5502, 0.3268,
0.3522

■ 29.9470, 0.2006,
0.2179

■ 26.3303, 0.1918,
0.2013

■ 23.2237, 0.1852,
0.1853

■ 22.4502, 0.1837,
0.1811

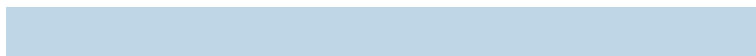
Harmonies

Analogous

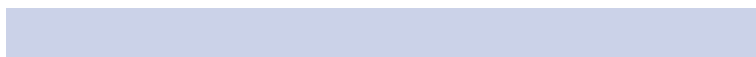
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.9390, 0.2853, 0.3198



64.9390, 0.2857, 0.3094



64.9390, 0.2932, 0.3045

Triad

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



64.9390, 0.2857, 0.3094



64.9390, 0.3337, 0.3244



64.9390, 0.3190, 0.3535

Complementary

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



64.9390, 0.2857, 0.3094



65.8953, 0.3428, 0.3478

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.



64.9390, 0.3323, 0.3542



64.9390, 0.2857, 0.3094



64.9390, 0.3410, 0.3371

Square

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



64.9390, 0.2857, 0.3094



64.9390, 0.3208, 0.3131



64.9390, 0.3404, 0.3480



64.9390, 0.3043, 0.3457

Rectangle

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



64.9390, 0.2857, 0.3094



64.9390, 0.3013, 0.3047



64.9390, 0.3404, 0.3480



64.9390, 0.3238, 0.3545

Sweetspot

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



64.9417, 0.2857, 0.3094



94.2466, 0.3050, 0.3237



72.7794, 0.3004, 0.3559



20.0040, 0.3039, 0.3229



0.0000, 0.0000, 0.0000



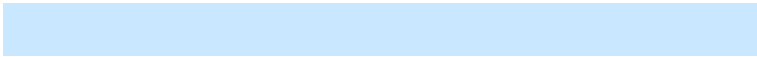
21.4041, 0.3127, 0.3290

Same Dimension

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



64.9417, 0.2857, 0.3094



77.5256, 0.2796, 0.3046



55.6013, 0.2846, 0.2861



15.2545, 0.2981, 0.3187



12.8355, 0.1843, 0.1836



1.1318, 0.1908, 0.2069

Inverse Universe

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



59.1252, 0.3276, 0.3039



69.0810, 0.3316, 0.2982



76.0659, 0.3393, 0.3685



14.5060, 0.3203, 0.3156



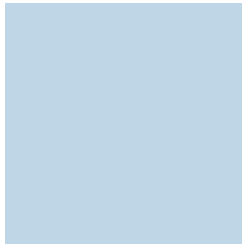
10.4935, 0.4642, 0.2331



0.7939, 0.4376, 0.2184

Previews

White Background



This preview shows how the Yxy color 64.9390, 0.2857, 0.3094 looks on a white background.

Color Contrast Check

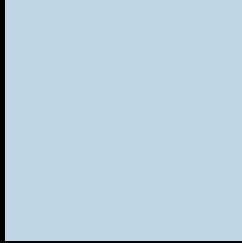
Large Text (above 18pt) WCAG AA × Fail

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 64.9390, 0.2857, 0.3094 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

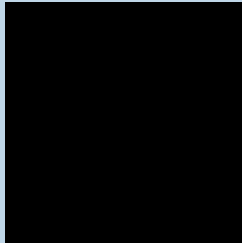
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

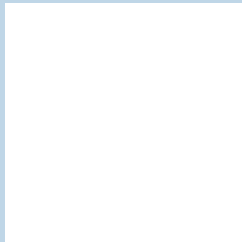
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.9390, 0.2857, 0.3094

Background



This preview shows how black text looks on a background with the Yxy color 64.9390, 0.2857, 0.3094.



This preview shows how white text looks on a background with the Yxy color 64.9390, 0.2857, 0.3094.

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

64.9390, 0.2857, 0.3094

Protanopia

64.7577, 0.2999, 0.3077

Deuteranopia

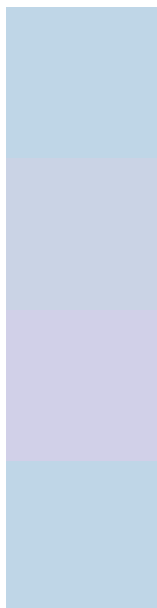
64.7615, 0.3045, 0.2985



Tritanopia

64.9390, 0.2857, 0.3094

Trichromacy



Original Color

64.9390, 0.2857, 0.3094

Protanomaly

64.8022, 0.2943, 0.3086

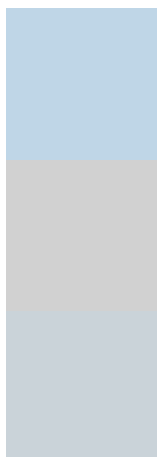
Deuteranomaly

64.4933, 0.2972, 0.3023

Tritanomaly

64.9390, 0.2857, 0.3094

Monochromacy



Original Color

64.9390, 0.2857, 0.3094

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

64.1548, 0.3021, 0.3221

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.9390, 0.2857, 0.3094 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(191, 214, 231)` looks like.

```
.text, #text, p{  
    color:rgb(191, 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(191, 214, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 214, 231) }
```

Border

The CSS property to change the border of an element to Yxy 64.9390, 0.2857, 0.3094 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(191, 214, 231) }
```

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

```
.border{ border-color:rgb(191, 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(191, 214, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 214, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 214, 231);  
box-shadow:4px 4px 4px 4px rgb(191, 214,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 64.9390, 0.2857, 0.3094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 214, 231) }
```

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

```
.background{ background-color: rgb(191,  
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](#).

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