

# Converting Colors

$Yxy(64.8865, 0.2790, 0.2972)$

Have a look what the booklet for  
Yxy(64.8865, 0.2790, 0.2972)  
contains.

<b>Yxy(64.8865, 0.2790, 0.2972)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(64.8865, 0.2790, 0.2972)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BED5F1
RGB	190, 213, 241
RGB Percent	75%, 84%, 95%
CMY	0.2547, 0.1647, 0.0549
CMYK	0.21, 0.12, 0.00, 0.05
HSL	213°, 65%, 85%
HSV	213°, 21%, 95%
XYZ	60.9130, 64.8865, 92.5266
YIQ	209.3150, -22.6960, 3.8320

# Conversions

## Conversions Part 2

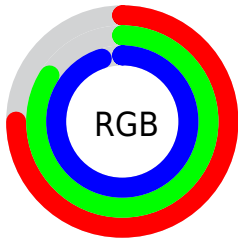
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	190, 206, 241
Decimal	12506609
CIE Lab	84.43, -1.78, -16.29
CIE LCh	84, 16.388, 263.748
Yxy	64.8865, 0.2790, 0.2972
Android (android.graphics.Color)	4290696689 (0xFFBED5F1)
YUV	209.3150, 15.6207, -16.9393
Hunter-Lab	80.5522, -5.9858, -11.7172

# Details

The Yxy color **64.8865, 0.2790, 0.2972** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **72.5827, 0.3493, 0.3589**, and the grayscale version is **63.8895, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.5142, 0.3078, 0.3290**, and **33.1907, 0.2708, 0.2886** is the 20% darker color. If you saturate the color by 10%, you get **55.6453, 0.2622, 0.2796**, and if you desaturate by 10%, it is **75.1901, 0.2953, 0.3132**.

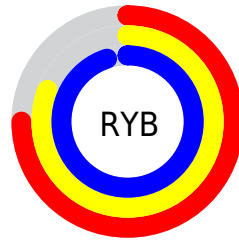
# Distribution



Red (75%)

Green (84%)

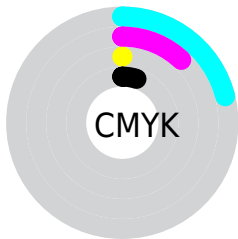
Blue (95%)



Red (75%)

Yellow (81%)

Blue (95%)

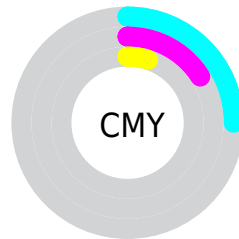


Cyan (21%)

Magenta (12%)

Yellow (0%)

Black (5%)



Cyan (25%)

Magenta (16%)

Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.8865, 0.2790, 0.2972 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 64.8865, 0.2790, 0.2972 by changing the saturation by 10% instead.



■ 64.8865, 0.2790,  
0.2972

■ 64.8865, 0.2790,  
0.2972

442.3840, 0.2948,  
0.3122

■ 47.3691, 0.2754,  
0.2937

■ 111.8867, 0.2845,  
0.3024

■ 33.3275, 0.2708,  
0.2894

142.1382, 0.2866,  
0.3045

■ 22.3774, 0.2651,  
0.2839

177.4032, 0.2885,  
0.3062

■ 14.1345, 0.2576,  
0.2766

218.0660, 0.2901,  
0.3077

■ 8.2143, 0.2473,  
0.2667

264.5111, 0.2915,  
0.3090

■ 4.2324, 0.2324,  
0.2521

317.1229, 0.2927,

■ 1.8044, 0.2091,

0.3102

0.2292

376.2857, 0.2938,  
0.3112

0.4899, 0.1523,  
0.1768

0.0000, 0.0000,  
0.0000

64.8865, 0.2790,  
0.2972

64.8865, 0.2790,  
0.2972

55.6453, 0.2622,  
0.2796

75.1901, 0.2953,  
0.3132

47.4204, 0.2453,  
0.2604

86.5842, 0.3110,  
0.3275

40.1738, 0.2288,  
0.2399

97.6865, 0.3210,  
0.3403

33.8615, 0.2132,  
0.2186

99.1305, 0.3209,  
0.3425

■ 28.4353, 0.1992,  
0.1969

■ 23.8415, 0.1874,  
0.1756

■ 20.0180, 0.1781,  
0.1554

■ 17.1953, 0.1719,  
0.1388

# Harmonies

## Analogous

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



64.8865, 0.2736, 0.3081



64.8865, 0.2790, 0.2972



64.8865, 0.2933, 0.2948

# Triad

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



64.8865, 0.2790, 0.2972



64.8865, 0.3484, 0.3309



64.8865, 0.3113, 0.3594

# Complementary

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



64.8865, 0.2790, 0.2972



72.5827, 0.3493, 0.3589

# 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.



64.8865, 0.3316, 0.3653



64.8865, 0.2790, 0.2972



64.8865, 0.3534, 0.3480

# Square

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



64.8865, 0.2790, 0.2972



64.8865, 0.3334, 0.3140



64.8865, 0.3472, 0.3608



64.8865, 0.2919, 0.3445



# Rectangle

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



64.8865, 0.2790, 0.2972



64.8865, 0.3061, 0.2981



64.8865, 0.3472, 0.3608



64.8865, 0.3182, 0.3626

# Sweetspot

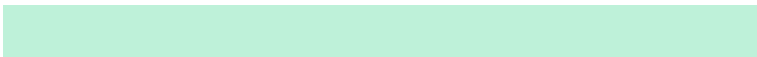
The Sweet Spot groups the original color and five complimentary colors.



64.8891, 0.2790, 0.2972



91.9654, 0.3035, 0.3207



78.8801, 0.2943, 0.3558



19.5031, 0.3024, 0.3198



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.



64.8891, 0.2790, 0.2972



69.4989, 0.2724, 0.2905



54.3682, 0.2783, 0.2704



16.4014, 0.2980, 0.3157



9.5863, 0.1727, 0.1417



0.9935, 0.1797, 0.1669



# Inverse Universe

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



60.3486, 0.3367, 0.3046



63.7964, 0.3423, 0.2998



85.0282, 0.3434, 0.3820



15.8772, 0.3222, 0.3184



10.7611, 0.5168, 0.2620

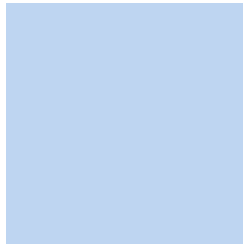


0.9150, 0.4845, 0.2443



# Previews

## White Background



This preview shows how the Yxy color 64.8865, 0.2790, 0.2972 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

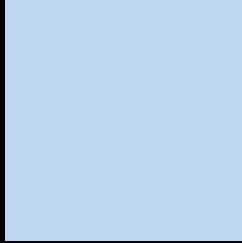
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.8865, 0.2790, 0.2972 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

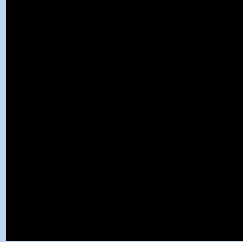
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

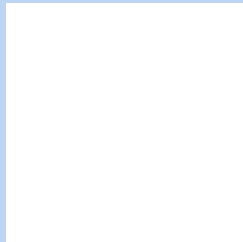
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.8865, 0.2790, 0.2972**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.8865, 0.2790, 0.2972.



This preview shows how white text looks on a background with the Yxy color 64.8865, 0.2790, 0.2972.

# 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

64.8865, 0.2790, 0.2972

### Protanopia

64.8958, 0.2913, 0.2968

### Deuteranopia

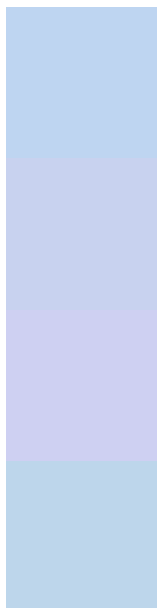
64.5808, 0.2943, 0.2878



## Tritanopia

65.1184, 0.2832, 0.3094

# Trichromacy



## Original Color

64.8865, 0.2790, 0.2972

## Protanomaly

64.6045, 0.2866, 0.2965

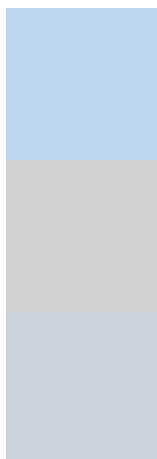
## Deuteranomaly

64.6444, 0.2887, 0.2915

## Tritanomaly

64.9101, 0.2820, 0.3049

# Monochromacy



## Original Color

64.8865, 0.2790, 0.2972

## Achromatopsia

63.7597, 0.3127, 0.3290

## Achromatomaly

63.8702, 0.2995, 0.3164

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.8865, 0.2790, 0.2972 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(190, 213, 241)` looks like.

```
.text, #text, p{  
    color:rgb(190, 213, 241)  
}
```

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(190, 213, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 213, 241) }
```

## Border

The CSS property to change the border of an element to Yxy 64.8865, 0.2790, 0.2972 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(190, 213, 241) }
```

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

```
.border{ border-color:rgb(190, 213, 241) }
```

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

Here you see how a box with a 4 pixel rgb(190, 213, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 213, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 213, 241);  
box-shadow:4px 4px 4px 4px rgb(190, 213,  
241) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.8865, 0.2790, 0.2972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 213, 241) }
```

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

```
.background{ background-color: rgb(190,  
213, 241) }
```

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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