

# Converting Colors

$Yxy(70.9069, 0.2813, 0.3054)$

Have a look what the booklet for  
Yxy(70.9069, 0.2813, 0.3054)  
contains.

<b>Yxy(70.9091, 0.2812, 0.3057)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(70.9091, 0.2812, 0.3057)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C3DFF4
RGB	195, 223, 244
RGB Percent	76%, 87%, 96%
CMY	0.2352, 0.1255, 0.0432
CMYK	0.20, 0.09, 0.00, 0.04
HSL	206°, 69%, 86%
HSV	206°, 20%, 96%
XYZ	65.2262, 70.9091, 95.8212
YIQ	217.0220, -23.4290, 0.5950

# Conversions

## Conversions Part 2

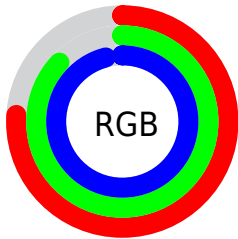
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	195, 213, 244
Decimal	12836852
CIE Lab	87.44, -4.84, -13.31
CIE LCh	87, 14.166, 250.024
Yxy	70.9091, 0.2812, 0.3057
Android (android.graphics.Color)	4291026932 (0xFFC3DFF4)
YUV	217.0220, 13.3002, -19.3133
Hunter-Lab	84.2075, -9.0992, -8.5218

# Details

The Yxy color `70.9091, 0.2812, 0.3057` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `72.2920, 0.3484, 0.3512`, and the grayscale version is `69.3278, 0.3127, 0.3290`.

A 20% lighter version of the original color is `99.4354, 0.3109, 0.3290`, and `37.2988, 0.2740, 0.3000` is the 20% darker color. If you saturate the color by 10%, you get `62.5050, 0.2652, 0.2923`, and if you desaturate by 10%, it is `80.1952, 0.2971, 0.3179`.

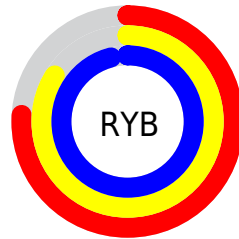
# Distribution



Red (76%)

Green (87%)

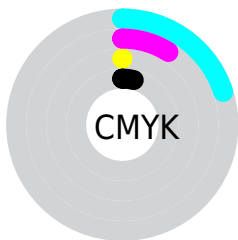
Blue (96%)



Red (76%)

Yellow (84%)

Blue (96%)

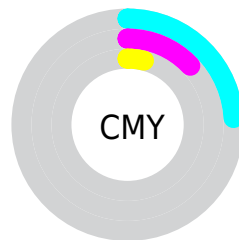


Cyan (20%)

Magenta (9%)

Yellow (0%)

Black (4%)



Cyan (24%)

Magenta (13%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.9091, 0.2812, 0.3057 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 70.9091, 0.2812, 0.3057 by changing the saturation by 10% instead.



■ 70.9091, 0.2812,  
0.3057

■ 70.9091, 0.2812,  
0.3057

■ 463.7356, 0.2957,  
0.3166

■ 52.2680, 0.2779,  
0.3032

■ 120.5043, 0.2862,  
0.3095

■ 37.2188, 0.2738,  
0.3001

■ 152.2272, 0.2882,  
0.3110

■ 25.3769, 0.2687,  
0.2961

■ 189.0795, 0.2899,  
0.3122

■ 16.3581, 0.2621,  
0.2909

■ 231.4455, 0.2913,  
0.3133

■ 9.7779, 0.2531,  
0.2838

■ 279.7098, 0.2926,  
0.3143

■ 5.2519, 0.2402,  
0.2734

■ 334.2566, 0.2938,

■ 2.3958, 0.2206,

0.3152

0.2572

395.4704, 0.2948,  
0.3159

0.8237, 0.1847,  
0.2288

0.0000, 0.0000,  
0.0000

70.9091, 0.2812,  
0.3057

70.9091, 0.2812,  
0.3057

62.5050, 0.2652,  
0.2923

80.1952, 0.2971,  
0.3179

54.9424, 0.2495,  
0.2777

90.3848, 0.3126,  
0.3289

48.1899, 0.2344,  
0.2621

98.9130, 0.3192,  
0.3390

42.2103, 0.2204,  
0.2457

99.3105, 0.3191,  
0.3396

■ 36.9628, 0.2080,  
0.2289

■ 32.4013, 0.1975,  
0.2120

■ 28.4722, 0.1893,  
0.1955

■ 25.1094, 0.1832,  
0.1796

# Harmonies

## Analogous

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



70.9091, 0.2805, 0.3178



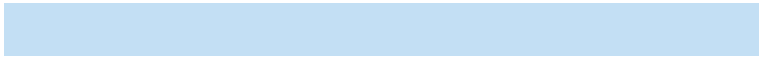
70.9091, 0.2812, 0.3057



70.9091, 0.2901, 0.3002

# Triad

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



70.9091, 0.2812, 0.3057



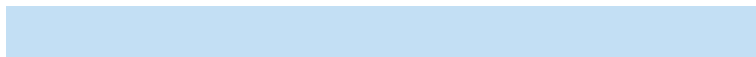
70.9091, 0.3377, 0.3240



70.9091, 0.3196, 0.3577

# Complementary

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



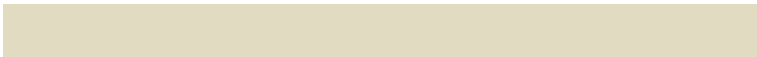
70.9091, 0.2812, 0.3057



72.2920, 0.3484, 0.3512

# 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.



70.9091, 0.3353, 0.3587



70.9091, 0.2812, 0.3057



70.9091, 0.3461, 0.3388

# Square

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



70.9091, 0.2812, 0.3057



70.9091, 0.3226, 0.3107



70.9091, 0.3451, 0.3516



70.9091, 0.3023, 0.3484



# Rectangle

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



70.9091, 0.2812, 0.3057



70.9091, 0.2996, 0.3007



70.9091, 0.3451, 0.3516



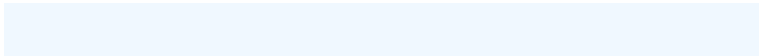
70.9091, 0.3252, 0.3590

# Sweetspot

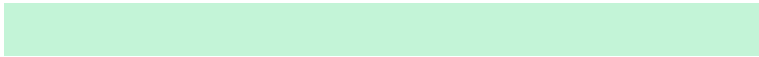
The Sweet Spot groups the original color and five complimentary colors.



70.9120, 0.2812, 0.3057



93.0992, 0.3034, 0.3225



81.2254, 0.2984, 0.3608



19.7710, 0.3024, 0.3218



0.0000, 0.0000, 0.0000

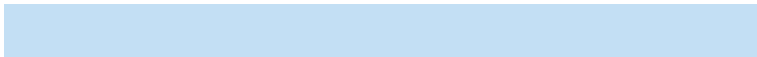


21.4041, 0.3127, 0.3290

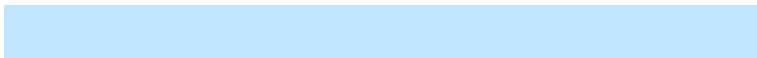


# Same Dimension

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



70.9120, 0.2812, 0.3057



74.5714, 0.2748, 0.3005



59.0362, 0.2794, 0.2782



17.4986, 0.2980, 0.3186



13.9322, 0.1839, 0.1822



1.4283, 0.1895, 0.2022



# Inverse Universe

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



63.6031, 0.3307, 0.2998



65.3986, 0.3351, 0.2937



85.4344, 0.3438, 0.3751



16.6412, 0.3204, 0.3156



11.5058, 0.4660, 0.2341

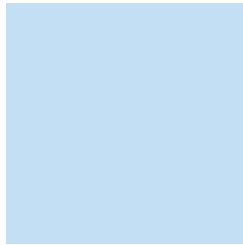


1.0318, 0.4427, 0.2213



# Previews

## White Background



This preview shows how the Yxy color 70.9091, 0.2812, 0.3057 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

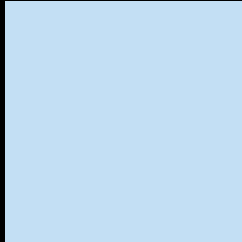
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.9091, 0.2812, 0.3057 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

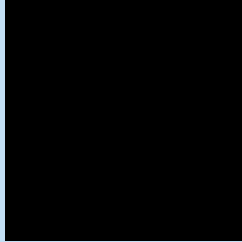
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

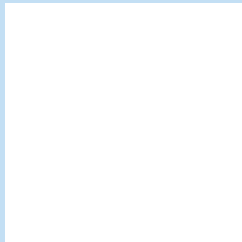
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.9091, 0.2812, 0.3057**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.9091, 0.2812, 0.3057.

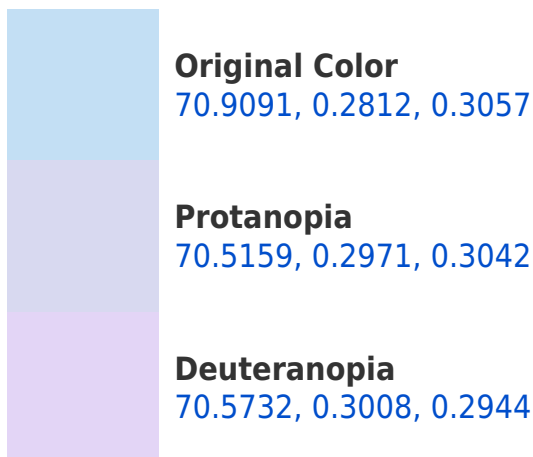


This preview shows how white text looks on a background with the Yxy color 70.9091, 0.2812, 0.3057.

# 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

70.7283, 0.2829, 0.3089

# Trichromacy



**Original Color**

70.9091, 0.2812, 0.3057

**Protanomaly**

70.4238, 0.2911, 0.3050

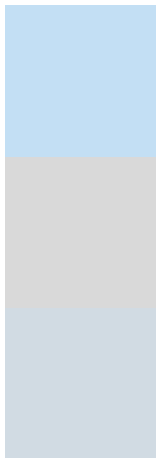
**Deuteranomaly**

70.6654, 0.2933, 0.2990

**Tritanomaly**

70.7883, 0.2823, 0.3078

# Monochromacy



**Original Color**

70.9091, 0.2812, 0.3057

**Achromatopsia**

69.3872, 0.3127, 0.3290

**Achromatomaly**

69.7644, 0.3005, 0.3201

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.9091, 0.2812, 0.3057 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(195, 223, 244)` looks like.

```
.text, #text, p{  
    color:rgb(195, 223, 244)  
}
```

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(195, 223, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 223, 244) }
```

## Border

The CSS property to change the border of an element to Yxy 70.9091, 0.2812, 0.3057 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(195, 223, 244) }
```

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

```
.border{ border-color:rgb(195, 223, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 223, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 223, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 223, 244);  
box-shadow:4px 4px 4px 4px rgb(195, 223,  
244) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.9091, 0.2812, 0.3057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 223, 244) }
```

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

```
.background{ background-color: rgb(195,  
223, 244) }
```

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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