

# Converting Colors

$Y_{xy}(72.3593, 0.2909, 0.3015)$

Have a look what the booklet for  
Yxy(72.3593, 0.2909, 0.3015)  
contains.

<b>Yxy(72.5129, 0.2914, 0.3022)</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(72.5129, 0.2914, 0.3022)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D5DDF6
RGB	213, 221, 246
RGB Percent	84%, 87%, 96%
CMY	0.1649, 0.1333, 0.0352
CMYK	0.13, 0.10, 0.00, 0.04
HSL	225°, 65%, 90%
HSV	225°, 13%, 96%
XYZ	69.9214, 72.5129, 97.5157
YIQ	221.4580, -12.7930, 6.0790

# Conversions

## Conversions Part 2

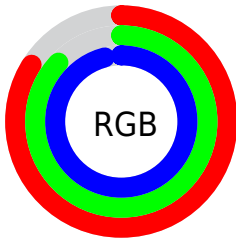
Format	Color
R <sub>Y</sub> B	213, 219, 246
Decimal	14015990
CIE Lab	88.21, 2.16, -13.10
CIE LCh	88, 13.279, 279.372
Yxy	72.5129, 0.2914, 0.3022
Android (android.graphics.Color)	4292206070 (0xFFD5DDF6)
YUV	221.4580, 12.0992, -7.4177
Hunter-Lab	85.1545, -2.4518, -8.2885

# Details

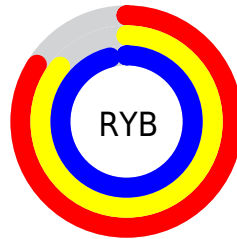
The Yxy color `72.5129, 0.2914, 0.3022` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `85.5153, 0.3340, 0.3544`, and the grayscale version is `72.5619, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `38.2592, 0.2861, 0.2956` is the 20% darker color. If you saturate the color by 10%, you get `59.8300, 0.2740, 0.2794`, and if you desaturate by 10%, it is `86.8475, 0.3075, 0.3226`.

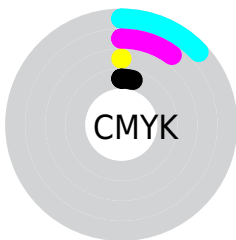
# Distribution



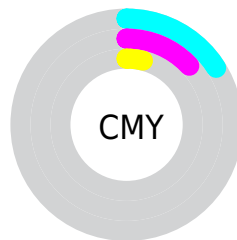
- Red (84%)
- Green (87%)
- Blue (96%)



- Red (84%)
- Yellow (86%)
- Blue (96%)



- Cyan (13%)
- Magenta (10%)
- Yellow (0%)
- Black (4%)



- Cyan (16%)
- Magenta (13%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.5129, 0.2914, 0.3022 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 72.5129, 0.2914, 0.3022 by changing the saturation by 10% instead.



■ 72.5129, 0.2914,  
0.3022

■ 72.5129, 0.2914,  
0.3022

469.3249, 0.3013,  
0.3145

■ 53.5778, 0.2892,  
0.2994

122.7855, 0.2948,  
0.3065

■ 38.2642, 0.2864,  
0.2960

154.8917, 0.2961,  
0.3081

■ 26.1878, 0.2829,  
0.2917

192.1570, 0.2973,  
0.3095

■ 16.9642, 0.2783,  
0.2861

234.9659, 0.2983,  
0.3108

■ 10.2090, 0.2721,  
0.2785

283.7028, 0.2992,  
0.3119

■ 5.5377, 0.2632,  
0.2677

338.7519, 0.2999,

■ 2.5661, 0.2495,

0.3129

0.2512

400.4978, 0.3006,  
0.3137

■ 0.9096, 0.2256,  
0.2232

■ 0.0000, 0.0000,  
0.0000

■ 72.5129, 0.2914,  
0.3022

■ 72.5129, 0.2914,  
0.3022

■ 59.8300, 0.2740,  
0.2794

■ 86.8475, 0.3075,  
0.3226

■ 48.7293, 0.2555,  
0.2541

■ 99.4351, 0.3179,  
0.3376

■ 39.1499, 0.2365,  
0.2269

■ 31.0229, 0.2175,  
0.1983

■ 24.2742, 0.1995,  
0.1695

■ 18.8226, 0.1835,  
0.1418

■ 14.5773, 0.1705,  
0.1169

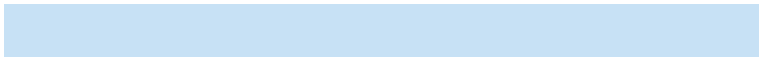
■ 11.4339, 0.1612,  
0.0961

■ 9.8934, 0.1570,  
0.0851

# Harmonies

## Analogous

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



72.5129, 0.2833, 0.3075



72.5129, 0.2914, 0.3022



72.5129, 0.3053, 0.3038

# Triad

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



72.5129, 0.2914, 0.3022



72.5129, 0.3436, 0.3378



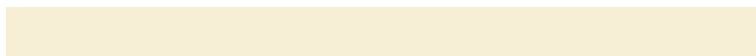
72.5129, 0.3034, 0.3473

# Complementary

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



72.5129, 0.2914, 0.3022



85.5153, 0.3340, 0.3544

# 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.



72.5129, 0.3195, 0.3558



72.5129, 0.2914, 0.3022



72.5129, 0.3430, 0.3498

# Square

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



72.5129, 0.2914, 0.3022



72.5129, 0.3357, 0.3240



72.5129, 0.3340, 0.3566



72.5129, 0.2901, 0.3335



# Rectangle

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



72.5129, 0.2914, 0.3022



72.5129, 0.3162, 0.3085



72.5129, 0.3340, 0.3566



72.5129, 0.3087, 0.3509

# Sweetspot

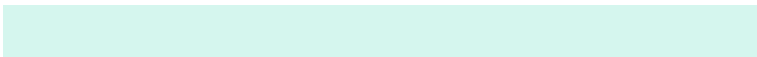
The Sweet Spot groups the original color and five complimentary colors.



72.5159, 0.2914, 0.3022



93.2957, 0.3066, 0.3215



86.2205, 0.2968, 0.3377



19.7064, 0.3055, 0.3200



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.



72.5159, 0.2914, 0.3022



74.9440, 0.2870, 0.2965



69.6210, 0.2968, 0.2939



16.5837, 0.2979, 0.3106



5.4625, 0.1577, 0.0876



0.6349, 0.1641, 0.1106



# Inverse Universe

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



72.3784, 0.3317, 0.3207



74.8450, 0.3360, 0.3191



88.8598, 0.3273, 0.3629



16.5489, 0.3255, 0.3232



10.6508, 0.5949, 0.3051

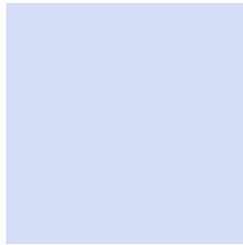


0.9517, 0.5601, 0.2859



# Previews

## White Background



This preview shows how the Yxy color 72.5129, 0.2914, 0.3022 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 72.5129, 0.2914, 0.3022 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

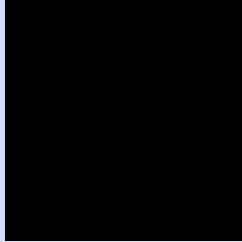
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.5129, 0.2914, 0.3022**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.5129, 0.2914, 0.3022.



This preview shows how white text looks on a background with the Yxy color 72.5129, 0.2914, 0.3022.

# 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

72.5129, 0.2914, 0.3022

### Protanopia

72.6844, 0.2954, 0.3024

### Deuteranopia

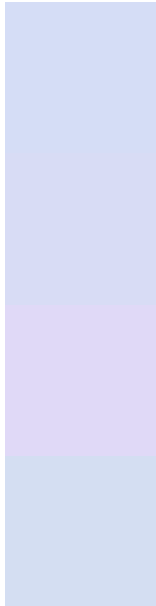
72.1393, 0.3023, 0.2958



## Tritanopia

72.5309, 0.2945, 0.3095

# Trichromacy



## Original Color

72.5129, 0.2914, 0.3022

## Protanomaly

72.3779, 0.2940, 0.3023

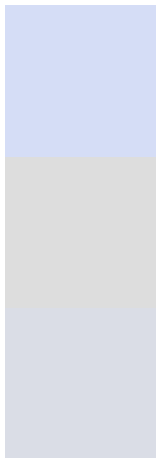
## Deuteranomaly

72.1884, 0.2981, 0.2975

## Tritanomaly

72.6504, 0.2932, 0.3074

# Monochromacy



## Original Color

72.5129, 0.2914, 0.3022

## Achromatopsia

72.3055, 0.3127, 0.3290

## Achromatomaly

72.3315, 0.3048, 0.3192

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.5129, 0.2914, 0.3022 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(213, 221, 246)` looks like.

```
.text, #text, p{  
    color:rgb(213, 221, 246)  
}
```

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(213, 221, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 221, 246) }
```

## Border

The CSS property to change the border of an element to Yxy 72.5129, 0.2914, 0.3022 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(213, 221, 246) }
```

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

```
.border{ border-color:rgb(213, 221, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 221, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 221, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 221, 246);  
box-shadow:4px 4px 4px 4px rgb(213, 221,  
246) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.5129, 0.2914, 0.3022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 221, 246) }
```

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

```
.background{ background-color: rgb(213,  
221, 246) }
```

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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