

# Converting Colors

$Yxy(62.6565, 0.3042, 0.3290)$

Have a look what the booklet for  
Yxy(62.6565, 0.3042, 0.3290)  
contains.

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# Color

**Yxy(62.7521, 0.3039, 0.3290)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6D2D2
RGB	198, 210, 210
RGB Percent	78%, 82%, 82%
CMY	0.2236, 0.1764, 0.1765
CMYK	0.06, 0.00, 0.00, 0.18
HSL	180°, 12%, 80%
HSV	180°, 6%, 82%
XYZ	57.9646, 62.7521, 70.0191
YIQ	206.4120, -7.1520, -2.5440

# Conversions

## Conversions Part 2

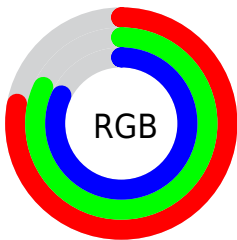
Format	Color
R <sub>Y</sub> B	198, 204, 210
Decimal	13030098
CIE Lab	83.31, -4.06, -1.40
CIE LCh	83, 4.292, 199.075
Yxy	62.7521, 0.3039, 0.3290
Android (android.graphics.Color)	4291220178 (0xFFC6D2D2)
YUV	206.4120, 1.7689, -7.3773
Hunter-Lab	79.2162, -8.0152, 3.0450

# Details

The Yxy color  $62.7521, 0.3039, 0.3290$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $58.1655, 0.3222, 0.3290$ , and the grayscale version is  $61.9912, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $32.1065, 0.3011, 0.3290$  is the 20% darker color. If you saturate the color by 10%, you get  $60.0940, 0.2891, 0.3290$ , and if you desaturate by 10%, it is  $65.8112, 0.3194, 0.3290$ .

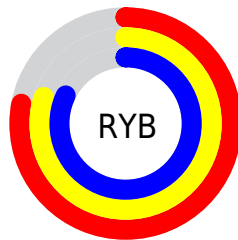
# Distribution



Red (78%)

Green (82%)

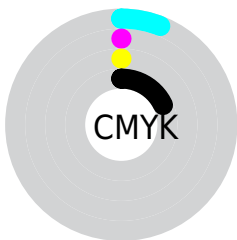
Blue (82%)



Red (78%)

Yellow (80%)

Blue (82%)

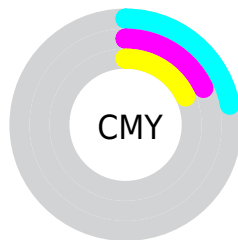


Cyan (6%)

Magenta (0%)

Yellow (0%)

Black (18%)



Cyan (22%)

Magenta (18%)

Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.7521, 0.3039, 0.3290 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 62.7521, 0.3039, 0.3290 by changing the saturation by 10% instead.



■ 62.7521, 0.3039,  
0.3290

■ 62.7521, 0.3039,  
0.3290

434.6692, 0.3081,  
0.3290

■ 45.6407, 0.3029,  
0.3290

108.8118, 0.3054,  
0.3290

■ 31.9624, 0.3017,  
0.3290

138.5289, 0.3059,  
0.3290

■ 21.3328, 0.3001,  
0.3290

173.2166, 0.3064,  
0.3290

■ 13.3675, 0.2980,  
0.3289

213.2594, 0.3068,  
0.3290

■ 7.6821, 0.2950,  
0.3289

259.0417, 0.3072,  
0.3290

■ 3.8922, 0.2906,  
0.3288

310.9478, 0.3075,

■ 1.6134, 0.2831,

0.3290

369.3622, 0.3078,  
0.3290

0.3285

0.3666, 0.2241,  
0.3293

0.0000, 0.0000,  
0.0000

62.7521, 0.3039,  
0.3290

62.7521, 0.3039,  
0.3290

60.0940, 0.2891,  
0.3290

65.8112, 0.3194,  
0.3290

57.8128, 0.2753,  
0.3290

69.2785, 0.3354,  
0.3290

55.8937, 0.2629,  
0.3291


72.0164, 0.3469,  
0.3290


54.3182, 0.2520,  
0.3291


72.0186, 0.3469,  
0.3290


 53.0660, 0.2429,  
0.3291


 72.0207, 0.3468,  
0.3289


 52.1145, 0.2357,  
0.3292


 72.0228, 0.3468,  
0.3289

 51.4387, 0.2305,  
0.3292

 72.0249, 0.3468,  
0.3288

 51.0089, 0.2270,  
0.3293

 72.0271, 0.3467,  
0.3288

 50.7890, 0.2253,  
0.3293

 72.0292, 0.3467,  
0.3287

# Harmonies

## Analogous

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



62.7521, 0.3080, 0.3338



62.7521, 0.3039, 0.3290



62.7521, 0.3022, 0.3243

# Triad

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



62.7521, 0.3039, 0.3290



62.7521, 0.3121, 0.3210



62.7521, 0.3223, 0.3371

# Complementary

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



62.7521, 0.3039, 0.3290



58.1655, 0.3222, 0.3290

# 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.



62.7521, 0.3234, 0.3336



62.7521, 0.3039, 0.3290



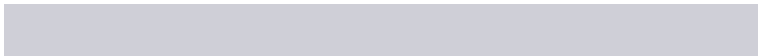
62.7521, 0.3175, 0.3243

# Square

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



62.7521, 0.3039, 0.3290



62.7521, 0.3069, 0.3197



62.7521, 0.3216, 0.3289



62.7521, 0.3186, 0.3385



# Rectangle

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



62.7521, 0.3039, 0.3290



62.7521, 0.3026, 0.3218



62.7521, 0.3216, 0.3289



62.7521, 0.3229, 0.3362

# Sweetspot

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



62.7548, 0.3039, 0.3290



99.0449, 0.3096, 0.3290



62.2065, 0.3122, 0.3432



21.2097, 0.3097, 0.3290



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.



62.7548, 0.3039, 0.3290



96.7680, 0.3018, 0.3290



59.9396, 0.3040, 0.3221



13.5190, 0.3012, 0.3290



30.9418, 0.2248, 0.3293



1.7302, 0.2248, 0.3292

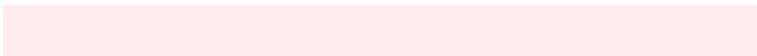


# Inverse Universe

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



58.1655, 0.3222, 0.3290



88.0406, 0.3247, 0.3290



60.8707, 0.3217, 0.3358



12.2241, 0.3255, 0.3290



8.3585, 0.6398, 0.3298

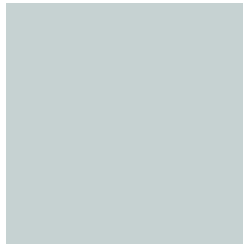


0.4675, 0.6390, 0.3294



# Previews

## White Background



This preview shows how the Yxy color 62.7521, 0.3039, 0.3290 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

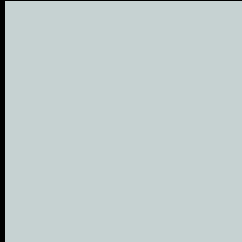
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.7521, 0.3039, 0.3290 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

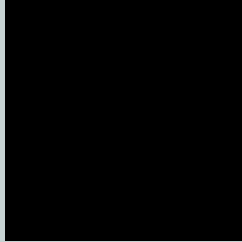
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

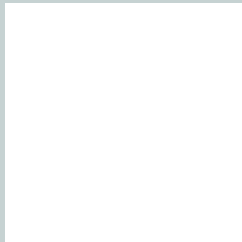
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 62.7521, 0.3039, 0.3290**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.7521, 0.3039, 0.3290.



This preview shows how white text looks on a background with the Yxy color 62.7521, 0.3039, 0.3290.

# 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

62.7521, 0.3039, 0.3290

### Protanopia

62.5456, 0.3151, 0.3267

### Deuteranopia

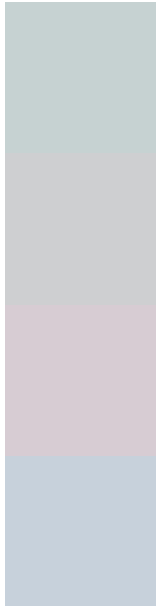
62.5343, 0.3234, 0.3169



## Tritanopia

62.7729, 0.2961, 0.3106

# Trichromacy



## Original Color

62.7521, 0.3039, 0.3290

## Protanomaly

62.3509, 0.3106, 0.3267

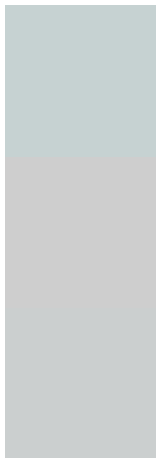
## Deuteranomaly

62.3360, 0.3161, 0.3211

## Tritanomaly

62.8575, 0.2986, 0.3174

# Monochromacy



## Original Color

62.7521, 0.3039, 0.3290

## Achromatopsia

61.7207, 0.3127, 0.3290

## Achromatomaly

61.8272, 0.3097, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.7521, 0.3039, 0.3290 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(198, 210, 210)` looks like.

```
.text, #text, p{  
    color:rgb(198, 210, 210)  
}
```

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(198, 210, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 210, 210) }
```

## Border

The CSS property to change the border of an element to Yxy 62.7521, 0.3039, 0.3290 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(198, 210, 210) }
```

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

```
.border{ border-color:rgb(198, 210, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 210, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 210, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 210, 210);  
box-shadow:4px 4px 4px 4px rgb(198, 210,  
210) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.7521, 0.3039, 0.3290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 210, 210) }
```

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

```
.background{ background-color: rgb(198,  
210, 210) }
```

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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