

# Converting Colors

$Yxy(60.9963, 0.2953, 0.3189)$

Have a look what the booklet for  
Yxy(60.9963, 0.2953, 0.3189)  
contains.

<b>Yxy(61.2761, 0.2956, 0.3195)</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(61.2761, 0.2956, 0.3195)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C0D0D8
RGB	192, 208, 216
RGB Percent	75%, 82%, 85%
CMY	0.2470, 0.1843, 0.1529
CMYK	0.11, 0.04, 0.00, 0.15
HSL	200°, 24%, 80%
HSV	200°, 11%, 85%
XYZ	56.6924, 61.2761, 73.8190
YIQ	204.1280, -12.1040, -0.9040

# Conversions

## Conversions Part 2

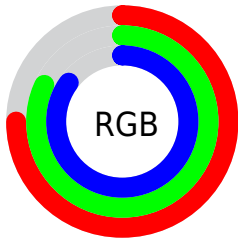
Format	Color
R <sub>Y</sub> B	192, 202, 216
Decimal	12636376
CIE Lab	82.53, -3.80, -5.82
CIE LCh	83, 6.953, 236.887
Yxy	61.2761, 0.2956, 0.3195
Android (android.graphics.Color)	4290826456 (0xFFC0D0D8)
YUV	204.1280, 5.8529, -10.6363
Hunter-Lab	78.2791, -7.7125, -1.1165

# Details

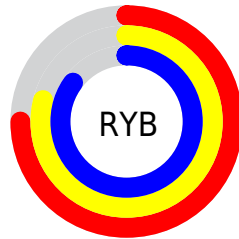
The Yxy color **61.2761, 0.2956, 0.3195** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **59.7315, 0.3314, 0.3383**, and the grayscale version is **60.4396, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8797, 0.3090, 0.3290**, and **31.0877, 0.2912, 0.3179** is the 20% darker color. If you saturate the color by 10%, you get **55.2232, 0.2801, 0.3100**, and if you desaturate by 10%, it is **67.9082, 0.3110, 0.3281**.

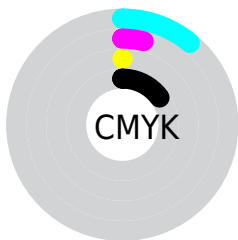
# Distribution



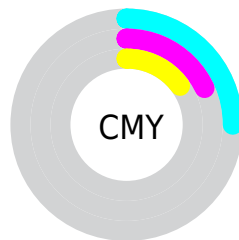
- Red (75%)
- Green (82%)
- Blue (85%)



- Red (75%)
- Yellow (79%)
- Blue (85%)



- Cyan (11%)
- Magenta (4%)
- Yellow (0%)
- Black (15%)



- Cyan (25%)
- Magenta (18%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.2761, 0.2956, 0.3195 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 61.2761, 0.2956, 0.3195 by changing the saturation by 10% instead.



■ 61.2761, 0.2956,  
0.3195

■ 61.2761, 0.2956,  
0.3195

429.2856, 0.3037,  
0.3241

■ 44.4480, 0.2937,  
0.3184

■ 106.6786, 0.2985,  
0.3211

■ 31.0229, 0.2913,  
0.3170

136.0218, 0.2996,  
0.3217

■ 20.6163, 0.2882,  
0.3152

170.3056, 0.3005,  
0.3223

■ 12.8438, 0.2841,  
0.3128

209.9142, 0.3013,  
0.3227

■ 7.3211, 0.2783,  
0.3094

255.2321, 0.3020,  
0.3231

■ 3.6637, 0.2697,  
0.3042

306.6437, 0.3027,

■ 1.4873, 0.2553,

0.3235

0.2951

364.5334, 0.3032,  
0.3238

0.2797, 0.1487,  
0.2402

0.0000, 0.0000,  
0.0000

61.2761, 0.2956,  
0.3195

61.2761, 0.2956,  
0.3195

55.2232, 0.2801,  
0.3100

67.9082, 0.3110,  
0.3281

49.7216, 0.2649,  
0.2996

75.1306, 0.3261,  
0.3358

44.7526, 0.2502,  
0.2885

82.6178, 0.3395,  
0.3427

40.2930, 0.2364,  
0.2766

86.7098, 0.3384,  
0.3498

■ 36.3177, 0.2240,  
0.2642

■ 90.9700, 0.3373,  
0.3568

■ 32.7988, 0.2132,  
0.2514

■ 95.4002, 0.3363,  
0.3636

■ 29.7047, 0.2043,  
0.2386

■ 97.7390, 0.3357,  
0.3671

■ 26.9980, 0.1975,  
0.2258

■ 24.8624, 0.1930,  
0.2147

# Harmonies

## Analogous

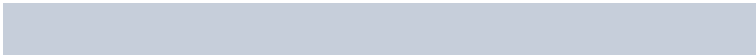
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



61.2761, 0.2972, 0.3268



61.2761, 0.2956, 0.3195



61.2761, 0.2985, 0.3149

# Triad

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



61.2761, 0.2956, 0.3195



61.2761, 0.3225, 0.3232



61.2761, 0.3201, 0.3444

# Complementary

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



61.2761, 0.2956, 0.3195



59.7315, 0.3314, 0.3383

# 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.



61.2761, 0.3271, 0.3432



61.2761, 0.2956, 0.3195



61.2761, 0.3285, 0.3309

# Square

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



61.2761, 0.2956, 0.3195



61.2761, 0.3140, 0.3171



61.2761, 0.3301, 0.3382



61.2761, 0.3113, 0.3414



# Rectangle

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



61.2761, 0.2956, 0.3195



61.2761, 0.3026, 0.3139



61.2761, 0.3301, 0.3382



61.2761, 0.3228, 0.3445

# Sweetspot

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



61.2787, 0.2956, 0.3195



96.9581, 0.3081, 0.3265



64.5014, 0.3061, 0.3480



20.5819, 0.3068, 0.3258



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

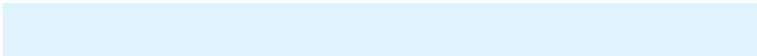


# Same Dimension

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



61.2787, 0.2956, 0.3195



87.3827, 0.2925, 0.3177



55.6519, 0.2954, 0.3051



13.3764, 0.2982, 0.3210



14.9187, 0.1935, 0.2166



1.0493, 0.1995, 0.2383



# Inverse Universe

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



56.8599, 0.3200, 0.3107



79.9501, 0.3215, 0.3073



65.5053, 0.3297, 0.3518



12.5589, 0.3188, 0.3136



9.8509, 0.4269, 0.2125

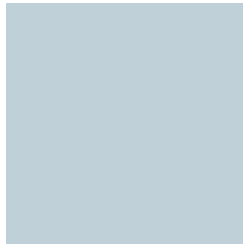


0.6092, 0.4041, 0.2000



# Previews

## White Background



This preview shows how the Yxy color 61.2761, 0.2956, 0.3195 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

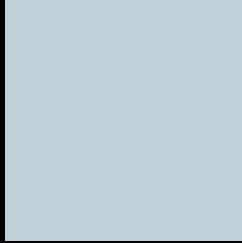
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.2761, 0.2956, 0.3195 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

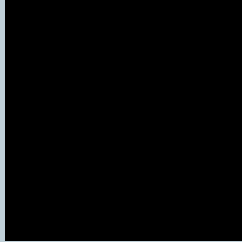
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

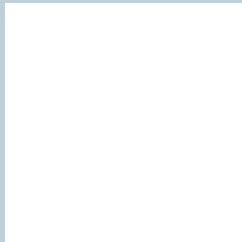
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 61.2761, 0.2956, 0.3195**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.2761, 0.2956, 0.3195.



This preview shows how white text looks on a background with the Yxy color 61.2761, 0.2956, 0.3195.

# 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

61.2761, 0.2956, 0.3195

### Protanopia

61.1626, 0.3072, 0.3175

### Deuteranopia

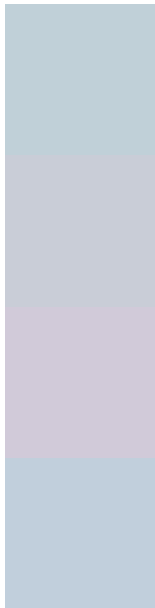
60.9689, 0.3145, 0.3078



## Tritanopia

61.2908, 0.2917, 0.3103

# Trichromacy



## Original Color

61.2761, 0.2956, 0.3195

## Protanomaly

60.9864, 0.3028, 0.3174

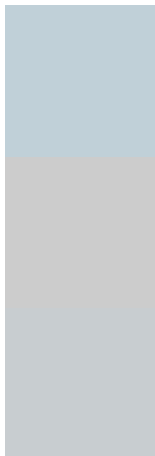
## Deuteranomaly

60.8061, 0.3074, 0.3119

## Tritanomaly

61.1304, 0.2937, 0.3137

# Monochromacy



## Original Color

61.2761, 0.2956, 0.3195

## Achromatopsia

60.3827, 0.3127, 0.3290

## Achromatomaly

60.4961, 0.3068, 0.3255

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.2761, 0.2956, 0.3195 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(192, 208, 216)` looks like.

```
.text, #text, p{  
    color:rgb(192, 208, 216)  
}
```

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(192, 208, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 208, 216) }
```

## Border

The CSS property to change the border of an element to Yxy 61.2761, 0.2956, 0.3195 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(192, 208, 216) }
```

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

```
.border{ border-color:rgb(192, 208, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 208, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 208, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 208, 216);  
box-shadow:4px 4px 4px 4px rgb(192, 208,  
216) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.2761, 0.2956, 0.3195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 208, 216) }
```

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

```
.background{ background-color: rgb(192,  
208, 216) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor