

# Converting Colors

$Yxy(63.2520, 0.3032, 0.3382)$

Have a look what the booklet for  
Yxy(63.2520, 0.3032, 0.3382)  
contains.

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# Color

**Yxy(63.3337, 0.3036, 0.3385)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C1D5CD
RGB	193, 213, 205
RGB Percent	76%, 84%, 80%
CMY	0.2431, 0.1647, 0.1962
CMYK	0.09, 0.00, 0.04, 0.16
HSL	156°, 19%, 80%
HSV	156°, 9%, 84%
XYZ	56.8039, 63.3337, 66.9635
YIQ	206.1080, -9.3520, -6.7280

# Conversions

## Conversions Part 2

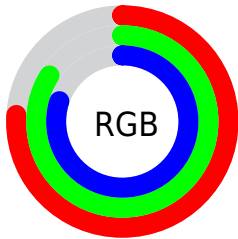
Format	Color
R <sub>YB</sub>	193, 206, 213
Decimal	12703181
CIE Lab	83.62, -8.22, 1.67
CIE LCh	84, 8.392, 168.498
Yxy	63.3337, 0.3036, 0.3385
Android (android.graphics.Color)	4290893261 (0xFFC1D5CD)
YUV	206.1080, -0.5462, -11.4957
Hunter-Lab	79.5825, -11.8607, 5.8191

# Details

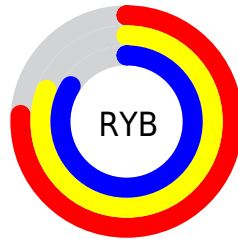
The Yxy color **63.3337, 0.3036, 0.3385** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **56.5112, 0.3228, 0.3197**, and the grayscale version is **61.8032, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0640, 0.3096, 0.3290**, and **32.1771, 0.3008, 0.3400** is the 20% darker color. If you saturate the color by 10%, you get **60.3329, 0.2942, 0.3497**, and if you desaturate by 10%, it is **66.7657, 0.3133, 0.3284**.

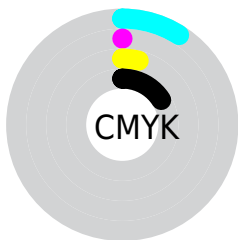
# Distribution



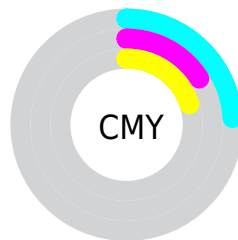
- Red (76%)
- Green (84%)
- Blue (80%)



- Red (76%)
- Yellow (81%)
- Blue (84%)



- Cyan (9%)
- Magenta (0%)
- Yellow (4%)
- Black (16%)




- Cyan (24%)
- Magenta (16%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.3337, 0.3036, 0.3385 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 63.3337, 0.3036, 0.3385 by changing the saturation by 10% instead.





 63.3337, 0.3036,  
0.3385

 63.3337, 0.3036,  
0.3385


436.7795, 0.3079,  
0.3340

 46.1112, 0.3026,  
0.3396


 109.6508, 0.3051,  
0.3369

 32.3336, 0.3013,  
0.3409


139.5142, 0.3057,  
0.3363

 21.6164, 0.2996,  
0.3427


174.3600, 0.3062,  
0.3358

 13.5753, 0.2974,  
0.3450

214.5727, 0.3067,  
0.3353

 7.8259, 0.2943,  
0.3483

260.5366, 0.3070,  
0.3349

 3.9837, 0.2896,  
0.3533

312.6361, 0.3074,

 1.6645, 0.2816,

0.3346

0.3618

371.2556, 0.3077,  
0.3342

0.4005, 0.2000,  
0.4453

0.0000, 0.0000,  
0.0000

63.3337, 0.3036,  
0.3385

63.3337, 0.3036,  
0.3385

60.3329, 0.2942,  
0.3497

66.7657, 0.3133,  
0.3284

57.7378, 0.2854,  
0.3621


70.6374, 0.3231,  
0.3194


55.5323, 0.2774,  
0.3755


74.6024, 0.3315,  
0.3114


53.6961, 0.2706,  
0.3898


75.0977, 0.3254,  
0.3030

 52.2070, 0.2654,  
0.4049

 75.6169, 0.3195,  
0.2948

 51.0406, 0.2619,  
0.4205

 76.0716, 0.3146,  
0.2881

 50.1687, 0.2604,  
0.4363

 49.5584, 0.2609,  
0.4519

 49.1544, 0.2632,  
0.4670

# Harmonies

## Analogous

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



63.3337, 0.3140, 0.3453



63.3337, 0.3036, 0.3385



63.3337, 0.2957, 0.3291

# Triad

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



63.3337, 0.3036, 0.3385



63.3337, 0.3011, 0.3110



63.3337, 0.3336, 0.3377

# Complementary

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



63.3337, 0.3036, 0.3385



56.5112, 0.3228, 0.3197

# 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.



63.3337, 0.3300, 0.3286



63.3337, 0.3036, 0.3385



63.3337, 0.3111, 0.3134

# Square

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



63.3337, 0.3036, 0.3385



63.3337, 0.2943, 0.3133



63.3337, 0.3217, 0.3198



63.3337, 0.3314, 0.3447



# Rectangle

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



63.3337, 0.3036, 0.3385



63.3337, 0.2929, 0.3227



63.3337, 0.3217, 0.3198



63.3337, 0.3330, 0.3348

# Sweetspot

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



63.3364, 0.3036, 0.3385



98.3812, 0.3098, 0.3320



63.9073, 0.3178, 0.3526



20.9672, 0.3090, 0.3328



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.



63.3364, 0.3036, 0.3385



94.3572, 0.3019, 0.3404



62.9008, 0.2983, 0.3270



14.0194, 0.3036, 0.3385



30.0309, 0.2627, 0.4658



1.8275, 0.2554, 0.4395



# Inverse Universe

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



56.5112, 0.3228, 0.3197



82.3576, 0.3249, 0.3179



56.8833, 0.3288, 0.3310



12.5028, 0.3229, 0.3197



9.0674, 0.5355, 0.2724



0.5630, 0.4899, 0.2473



# Previews

## White Background



This preview shows how the Yxy color 63.3337, 0.3036, 0.3385 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

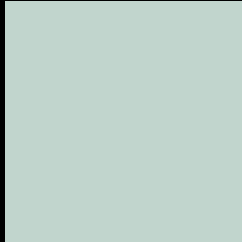
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.3337, 0.3036, 0.3385 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

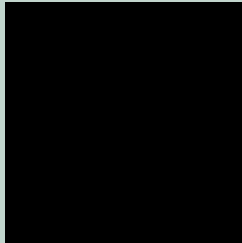
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

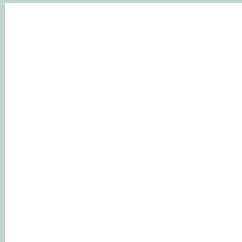
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 63.3337, 0.3036, 0.3385**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.3337, 0.3036, 0.3385.



This preview shows how white text looks on a background with the Yxy color 63.3337, 0.3036, 0.3385.

# 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

63.3337, 0.3036, 0.3385

### Protanopia

63.0360, 0.3208, 0.3347

### Deuteranopia

62.7723, 0.3295, 0.3224



## Tritanopia

63.4545, 0.2927, 0.3106

# Trichromacy



## Original Color

63.3337, 0.3036, 0.3385

## Protanomaly

63.0345, 0.3146, 0.3360

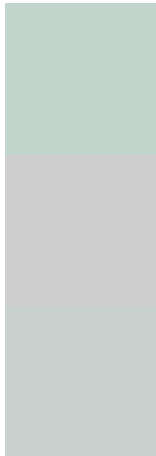
## Deuteranomaly

62.5659, 0.3197, 0.3279

## Tritanomaly

63.3862, 0.2972, 0.3208

# Monochromacy



## Original Color

63.3337, 0.3036, 0.3385

## Achromatopsia

61.7207, 0.3127, 0.3290

## Achromatomaly

62.4747, 0.3088, 0.3325

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.3337, 0.3036, 0.3385 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(193, 213, 205)` looks like.

```
.text, #text, p{  
    color:rgb(193, 213, 205)  
}
```

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(193, 213, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 213, 205) }
```

## Border

The CSS property to change the border of an element to Yxy 63.3337, 0.3036, 0.3385 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(193, 213, 205) }
```

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

```
.border{ border-color:rgb(193, 213, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 213, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 213, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 213, 205);  
box-shadow:4px 4px 4px 4px rgb(193, 213,  
205) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.3337, 0.3036, 0.3385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 213, 205) }
```

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

```
.background{ background-color: rgb(193,  
213, 205) }
```

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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