

# Converting Colors

$Y_{xy}(52.1791, 0.3281, 0.3383)$

Have a look what the booklet for  
Yxy(52.1791, 0.3281, 0.3383)  
contains.

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# Color

**Yxy(52.1901, 0.3282, 0.3376)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9BDB6
RGB	201, 189, 182
RGB Percent	79%, 74%, 71%
CMY	0.2116, 0.2589, 0.2862
CMYK	0.00, 0.06, 0.09, 0.21
HSL	22°, 15%, 75%
HSV	22°, 9%, 79%
XYZ	50.7369, 52.1901, 51.6645
YIQ	191.7900, 9.3990, 0.3670

# Conversions

## Conversions Part 2

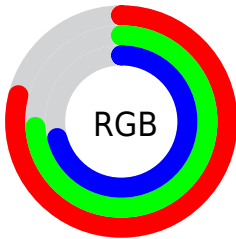
Format	Color
R <sub>Y</sub> B	201, 193, 182
Decimal	13221302
CIE Lab	77.39, 3.04, 5.03
CIE LCh	77, 5.877, 58.868
Yxy	52.1901, 0.3282, 0.3376
Android (android.graphics.Color)	4291411382 (0xFFC9BDB6)
YUV	191.7900, -4.8265, 8.0772
Hunter-Lab	72.2427, -1.0620, 8.1686

# Details

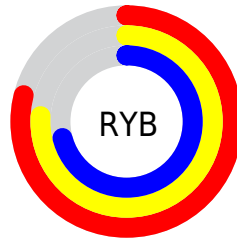
The Yxy color **52.1901, 0.3282, 0.3376** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **52.7774, 0.2982, 0.3202**, and the grayscale version is **52.6122, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7379, 0.3235, 0.3358**, and **25.3963, 0.3326, 0.3406** is the 20% darker color. If you saturate the color by 10%, you get **46.1809, 0.3473, 0.3473**, and if you desaturate by 10%, it is **58.8041, 0.3119, 0.3285**.

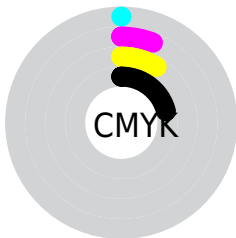
# Distribution



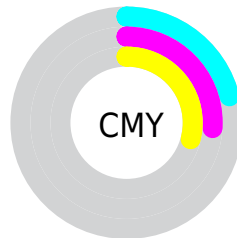
- Red (79%)
- Green (74%)
- Blue (71%)



- Red (79%)
- Yellow (76%)
- Blue (71%)



- Cyan (0%)
- Magenta (6%)
- Yellow (9%)
- Black (21%)




- Cyan (21%)
- Magenta (26%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.1901, 0.3282, 0.3376 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 52.1901, 0.3282, 0.3376 by changing the saturation by 10% instead.





 52.1901, 0.3282,  
0.3376

 52.1901, 0.3282,  
0.3376


395.1701, 0.3206,  
0.3334

 37.1566, 0.3301,  
0.3386


 93.4115, 0.3255,  
0.3361

 25.3288, 0.3324,  
0.3399


120.3683, 0.3244,  
0.3355

 16.3222, 0.3356,  
0.3416


152.0682, 0.3235,  
0.3351

 9.7524, 0.3399,  
0.3438

188.8958, 0.3228,  
0.3346

 5.2351, 0.3462,  
0.3471

231.2354, 0.3221,  
0.3343

 2.3859, 0.3564,  
0.3522

279.4714, 0.3215,

 0.8186, 0.3856,

0.3340

0.3703

333.9881, 0.3210,  
0.3337

0.0000, 0.0000,  
0.0000

52.1901, 0.3282,  
0.3376

52.1901, 0.3282,  
0.3376

46.1809, 0.3473,  
0.3473

58.8041, 0.3119,  
0.3285

40.7523, 0.3696,  
0.3573

66.0325, 0.2980,  
0.3201

35.8882, 0.3953,  
0.3672

73.8937, 0.2862,  
0.3124

31.5696, 0.4244,  
0.3766

81.9150, 0.2800,  
0.3129

27.7759, 0.4564,  
0.3844

89.6728, 0.2809,  
0.3265

■ 24.4852, 0.4901,  
0.3895

■ 91.1626, 0.2811,  
0.3289

■ 21.6740, 0.5234,  
0.3905

■ 19.3161, 0.5535,  
0.3866

■ 17.3769, 0.5786,  
0.3782

# Harmonies

## Analogous

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



52.1901, 0.3270, 0.3312



52.1901, 0.3282, 0.3376



52.1901, 0.3252, 0.3419

# Triad

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



52.1901, 0.3282, 0.3376



52.1901, 0.3036, 0.3338



52.1901, 0.3065, 0.3157

# Complementary

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



52.1901, 0.3282, 0.3376



52.7774, 0.2982, 0.3202

# 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.



52.1901, 0.3003, 0.3162



52.1901, 0.3282, 0.3376



52.1901, 0.2987, 0.3266

# Square

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



52.1901, 0.3282, 0.3376



52.1901, 0.3109, 0.3397



52.1901, 0.2975, 0.3202



52.1901, 0.3144, 0.3187



# Rectangle

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



52.1901, 0.3282, 0.3376



52.1901, 0.3213, 0.3428



52.1901, 0.2975, 0.3202



52.1901, 0.3041, 0.3155

# Sweetspot

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



52.1924, 0.3282, 0.3376



96.4647, 0.3174, 0.3317



49.7837, 0.3193, 0.3143



20.4487, 0.3187, 0.3324



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

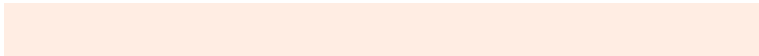


# Same Dimension

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



52.1924, 0.3282, 0.3376



87.5083, 0.3312, 0.3392



56.4181, 0.3270, 0.3490



11.2632, 0.3280, 0.3375



11.0231, 0.5773, 0.3798



0.6599, 0.5375, 0.4114

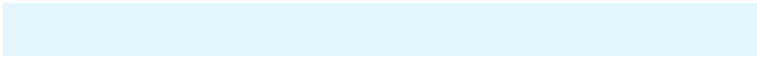


# Inverse Universe

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



52.7774, 0.2982, 0.3202



88.6748, 0.2956, 0.3186



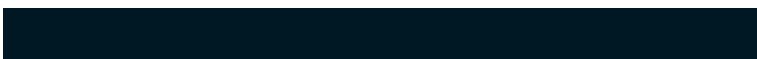
48.6775, 0.2981, 0.3081



11.3883, 0.2984, 0.3203



12.4229, 0.1904, 0.2054



0.7229, 0.1984, 0.2341



# Previews

## White Background



This preview shows how the Yxy color 52.1901, 0.3282, 0.3376 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

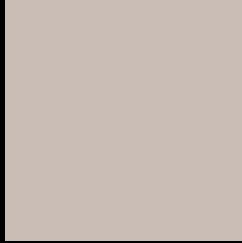
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.1901, 0.3282, 0.3376 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

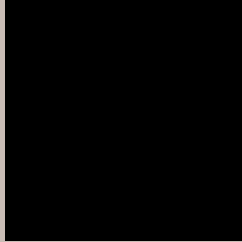
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

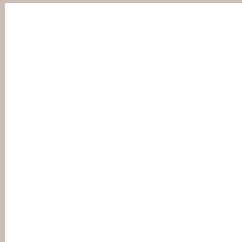
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 52.1901, 0.3282, 0.3376**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.1901, 0.3282, 0.3376.

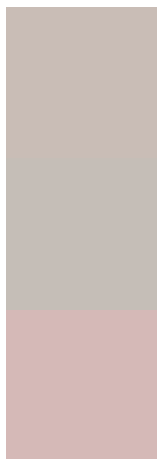


This preview shows how white text looks on a background with the Yxy color 52.1901, 0.3282, 0.3376.

# 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

52.1901, 0.3282, 0.3376

### Protanopia

52.1161, 0.3239, 0.3377

### Deuteranopia

52.2630, 0.3383, 0.3315



## Tritanopia

52.1722, 0.3160, 0.3111

# Trichromacy



## Original Color

52.1901, 0.3282, 0.3376

## Protanomaly

52.2516, 0.3247, 0.3377

## Deuteranomaly

52.0920, 0.3346, 0.3327

## Tritanomaly

52.1322, 0.3206, 0.3206

# Monochromacy



## Original Color

52.1901, 0.3282, 0.3376

## Achromatopsia

52.7115, 0.3127, 0.3290

## Achromatomaly

52.4945, 0.3183, 0.3327

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.1901, 0.3282, 0.3376 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(201, 189, 182)` looks like.

```
.text, #text, p{  
    color:rgb(201, 189, 182)  
}
```

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(201, 189, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 189, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 52.1901, 0.3282, 0.3376 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(201, 189, 182) }
```

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

```
.border{ border-color:rgb(201, 189, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 189, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 189, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 189, 182);  
box-shadow:4px 4px 4px 4px rgb(201, 189,  
182) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.1901, 0.3282, 0.3376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 189, 182) }
```

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

```
.background{ background-color: rgb(201,  
189, 182) }
```

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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