

Converting Colors

$Y_{xy}(52.0105, 0.3162, 0.3109)$

Have a look what the booklet for
Yxy(52.0105, 0.3162, 0.3109)
contains.

Yxy(52.1722, 0.3160, 0.3111)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(52.1722, 0.3160, 0.3111)

Conversions

Conversions Part 1

Format	Color
Hex	CCBAC9
RGB	204, 186, 201
RGB Percent	80%, 73%, 79%
CMY	0.2002, 0.2705, 0.2118
CMYK	0.00, 0.09, 0.01, 0.20
HSL	310°, 15%, 76%
HSV	310°, 9%, 80%
XYZ	52.9939, 52.1722, 62.5362
YIQ	193.0920, 5.9130, 8.4810

Conversions

Conversions Part 2

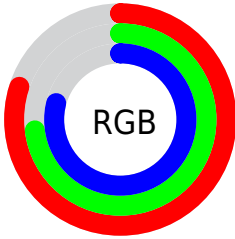
Format	Color
R _Y B	204, 186, 201
Decimal	13417161
CIE Lab	77.38, 9.01, -5.24
CIE LCh	77, 10.425, 329.821
Yxy	52.1722, 0.3160, 0.3111
Android (android.graphics.Color)	4291607241 (0xFFCCBAC9)
YUV	193.0920, 3.8986, 9.5663
Hunter-Lab	72.2303, 4.5588, -0.7714

Details

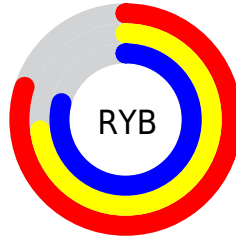
The Yxy color **52.1722, 0.3160, 0.3111** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **57.2787, 0.3096, 0.3476**, and the grayscale version is **53.3577, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.9843, 0.3133, 0.3165**, and **25.3657, 0.3171, 0.3067** is the 20% darker color. If you saturate the color by 10%, you get **44.0280, 0.3203, 0.2901**, and if you desaturate by 10%, it is **61.5509, 0.3123, 0.3314**.

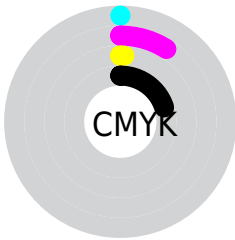
Distribution



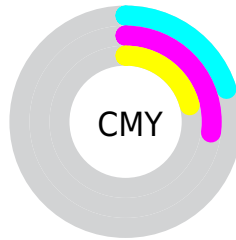
- Red (80%)
- Green (73%)
- Blue (79%)



- Red (80%)
- Yellow (73%)
- Blue (79%)



- Cyan (0%)
- Magenta (9%)
- Yellow (1%)
- Black (20%)





- Cyan (20%)
- Magenta (27%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.1722, 0.3160, 0.3111 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 52.1722, 0.3160, 0.3111 by changing the saturation by 10% instead.


 52.1722, 0.3160,
0.3111

 52.1722, 0.3160,
0.3111


395.1010, 0.3144,
0.3198

 37.1424, 0.3164,
0.3090


 93.3851, 0.3155,
0.3142

 25.3177, 0.3168,
0.3064


120.3370, 0.3152,
0.3154

 16.3139, 0.3174,
0.3030


152.0317, 0.3151,
0.3164

 9.7466, 0.3182,
0.2983

188.8536, 0.3149,
0.3172

 5.2313, 0.3192,
0.2917

231.1871, 0.3148,
0.3180

 2.3836, 0.3208,
0.2813

279.4166, 0.3147,

 0.8174, 0.3236,

0.3187

0.2628

333.9264, 0.3145,
0.3192

0.0000, 0.0000,
0.0000

52.1722, 0.3160,
0.3111

52.1722, 0.3160,
0.3111

44.0280, 0.3203,
0.2901

61.5509, 0.3123,
0.3314

37.0599, 0.3251,
0.2688

72.2060, 0.3091,
0.3506

31.2147, 0.3304,
0.2479

84.1858, 0.3064,
0.3686

26.4325, 0.3362,
0.2284

89.2281, 0.3043,
0.3728

22.6480, 0.3424,
0.2111

89.4018, 0.3025,
0.3690

■ 19.7885, 0.3488,
0.1970

■ 89.5792, 0.3006,
0.3653

■ 17.7715, 0.3551,
0.1870

■ 89.7601, 0.2988,
0.3616

■ 16.4997, 0.3613,
0.1815

■ 89.9446, 0.2970,
0.3579

■ 15.8165, 0.3671,
0.1801

■ 90.1328, 0.2952,
0.3542

Harmonies

Analogous

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



52.1722, 0.3020, 0.3058



52.1722, 0.3160, 0.3111



52.1722, 0.3294, 0.3210

Triad

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



52.1722, 0.3160, 0.3111



52.1722, 0.3346, 0.3519



52.1722, 0.2878, 0.3241

Complementary

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



52.1722, 0.3160, 0.3111



57.2787, 0.3096, 0.3476

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.



52.1722, 0.2961, 0.3371



52.1722, 0.3160, 0.3111



52.1722, 0.3231, 0.3534

Square

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



52.1722, 0.3160, 0.3111



52.1722, 0.3402, 0.3443



52.1722, 0.3090, 0.3479



52.1722, 0.2859, 0.3129

Rectangle

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



52.1722, 0.3160, 0.3111



52.1722, 0.3360, 0.3289



52.1722, 0.3090, 0.3479



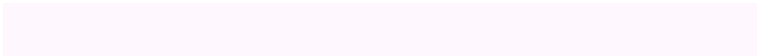
52.1722, 0.2899, 0.3284

Sweetspot

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



52.1745, 0.3160, 0.3111



95.1350, 0.3138, 0.3229



50.2656, 0.3013, 0.3068



20.0915, 0.3141, 0.3213



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.



52.1745, 0.3160, 0.3111



83.0970, 0.3169, 0.3062



51.7763, 0.3228, 0.3214



11.3708, 0.3162, 0.3099



9.9285, 0.3670, 0.1796



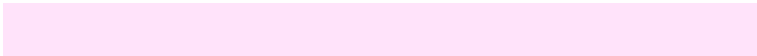
0.5209, 0.3566, 0.1738

Inverse Universe

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



52.1745, 0.3160, 0.3111



83.0970, 0.3169, 0.3062



57.6681, 0.3035, 0.3367



11.3708, 0.3162, 0.3099



9.9285, 0.3670, 0.1796



0.5209, 0.3566, 0.1738

Previews

White Background



This preview shows how the Yxy color 52.1722, 0.3160, 0.3111 looks on a white background.

Color Contrast Check

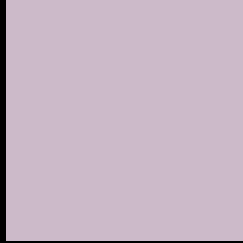
Large Text (above 18pt) WCAG AA × Fail

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 52.1722, 0.3160, 0.3111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

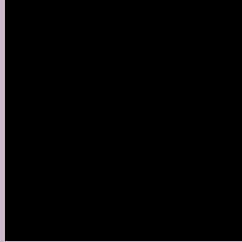
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

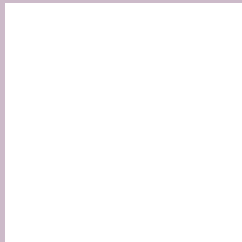
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.1722, 0.3160, 0.3111

Background



This preview shows how black text looks on a background with the Yxy color 52.1722, 0.3160, 0.3111.



This preview shows how white text looks on a background with the Yxy color 52.1722, 0.3160, 0.3111.

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

52.1722, 0.3160, 0.3111

Protanopia

52.2151, 0.3038, 0.3130

Deuteranopia

52.3140, 0.3169, 0.3111



Tritanopia

52.1722, 0.3160, 0.3111

Trichromacy



Original Color

52.1722, 0.3160, 0.3111

Protanomaly

52.3952, 0.3086, 0.3132

Deuteranomaly

52.3140, 0.3169, 0.3111

Tritanomaly

52.1722, 0.3160, 0.3111

Monochromacy



Original Color

52.1722, 0.3160, 0.3111

Achromatopsia

53.3276, 0.3127, 0.3290

Achromatomaly

52.6828, 0.3139, 0.3217

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.1722, 0.3160, 0.3111 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(204, 186, 201)` looks like.

```
.text, #text, p{  
    color:rgb(204, 186, 201)  
}
```

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(204, 186, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 186, 201) }
```

Border

The CSS property to change the border of an element to Yxy 52.1722, 0.3160, 0.3111 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(204, 186, 201) }
```

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

```
.border{ border-color:rgb(204, 186, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 186, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 186, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 186, 201);  
box-shadow:4px 4px 4px 4px rgb(204, 186,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 52.1722, 0.3160, 0.3111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 186, 201) }
```

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

```
.background{ background-color: rgb(204,  
186, 201) }
```

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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