

# Converting Colors

$Y_{xy}(54.6601, 0.3310, 0.3130)$



Have a look what the booklet for  
Yxy(54.6601, 0.3310, 0.3130)  
contains.

<b>Yxy(54.6601, 0.3310, 0.3130)</b>	3
<i><b>Conversions</b></i>	4
<i><b>Details</b></i>	6
<i><b>Harmonies</b></i>	12
<i><b>Previews</b></i>	24
<i><b>Color Blindness Simulation</b></i>	27
<i><b>CSS Examples</b></i>	30



# Color

**Yxy(54.6601, 0.3310, 0.3130)**



# Conversions

Conversions Part 1	
Format	Color
Hex	DDBAC8
RGB	221, 186, 200
RGB Percent	87%, 73%, 78%
CMY	0.1334, 0.2706, 0.2155
CMYK	0.00, 0.16, 0.09, 0.13
HSL	336°, 34%, 80%
HSV	336°, 16%, 87%
XYZ	57.8035, 54.6601, 62.1693
YIQ	198.0610, 16.3660, 11.7740



# Conversions

## Conversions Part 2

Format	Color
<a href="#">RYB</a>	<a href="#">221, 186, 200</a>
Decimal	<a href="#">14531272</a>
CIELab	<a href="#">78.85, 14.80, -2.40</a>
CIELCh	<a href="#">79, 14.996, 350.809</a>
Yxy	<a href="#">54.6601, 0.3310, 0.3130</a>
Android (android.graphics.Color)	<a href="#">4292721352</a> (0xFFDDBAC8)
YUV	<a href="#">198.0610, 0.9559, 20.1175</a>
Hunter-Lab	<a href="#">73.9325, 10.1769, 1.8962</a>



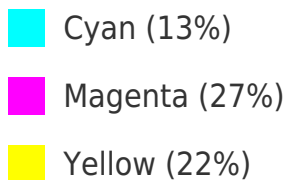
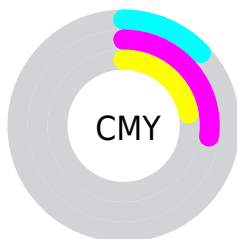
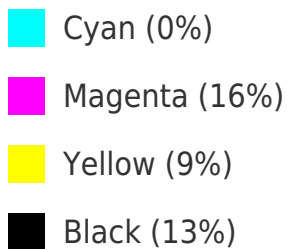
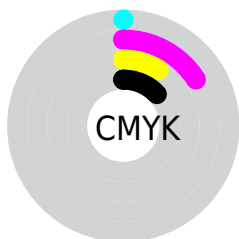
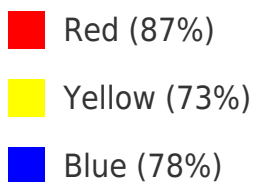
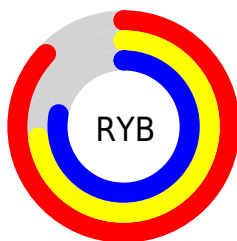
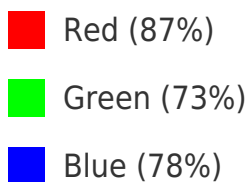
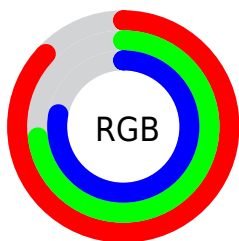
# Details

The Yxy color **54.6601, 0.3310, 0.3130** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **66.6495, 0.2974, 0.3456**, and the grayscale version is **56.4993, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.9843, 0.3133, 0.3165**, and **26.9574, 0.3364, 0.3095** is the 20% darker color. If you saturate the color by 10%, you get **45.4674, 0.3458, 0.3023**, and if you desaturate by 10%, it is **65.3511, 0.3188, 0.3233**.



# Distribution







# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.6601, 0.3310, 0.3130 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 54.6601, 0.3310, 0.3130 by changing the saturation by 10% instead.





 54.6601, 0.3310,  
0.3130

 54.6601, 0.3310,  
0.3130


404.6222, 0.3221,  
0.3207

 39.1297, 0.3331,  
0.3112


 97.0428, 0.3278,  
0.3157

 26.8606, 0.3358,  
0.3088


124.6638, 0.3266,  
0.3168

 17.4686, 0.3393,  
0.3058


157.0838, 0.3256,  
0.3177

 10.5691, 0.3441,  
0.3017

194.6871, 0.3247,  
0.3185

 5.7779, 0.3510,  
0.2959

237.8583, 0.3240,  
0.3191

 2.7105, 0.3616,  
0.2870

286.9816, 0.3233,


 0.9825, 0.3805,





0.3197


0.2715


342.4414, 0.3227,  
0.3202


 0.0000, 0.8946,  
0.0000


 0.0000, 0.0000,  
0.0000

 54.6601, 0.3310,  
0.3130


 54.6601, 0.3310,  
0.3130

 45.4674, 0.3458,  
0.3023


 65.3511, 0.3188,  
0.3233


 37.6984, 0.3637,  
0.2914

 77.5963, 0.3088,  
0.3329

 31.2832, 0.3850,  
0.2810

 91.4573, 0.3006,  
0.3419

 26.1426, 0.4099,  
0.2718

 93.9808, 0.2934,  
0.3310



■ 22.1895, 0.4380,  
0.2651

■ 94.1103, 0.2923,  
0.3289

■ 19.3256, 0.4683,  
0.2621

■ 17.4365, 0.4993,  
0.2639

■ 16.3813, 0.5286,  
0.2711

■ 16.0855, 0.5402,  
0.2750



# Harmonies

## Analogous

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



54.6601, 0.3111, 0.3009



54.6601, 0.3310, 0.3130



54.6601, 0.3462, 0.3292



# Triad

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



54.6601, 0.3310, 0.3130



54.6601, 0.3328, 0.3642



54.6601, 0.2748, 0.3102



# Complementary

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



54.6601, 0.3310, 0.3130



66.6495, 0.2974, 0.3456



# 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.



54.6601, 0.2802, 0.3274



54.6601, 0.3310, 0.3130



54.6601, 0.3133, 0.3595



# Square

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



54.6601, 0.3310, 0.3130



54.6601, 0.3471, 0.3589



54.6601, 0.2942, 0.3457



54.6601, 0.2791, 0.2989



# Rectangle

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



54.6601, 0.3310, 0.3130



54.6601, 0.3514, 0.3406



54.6601, 0.2942, 0.3457



54.6601, 0.2755, 0.3155



# Sweetspot

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



54.6625, 0.3310, 0.3130



91.6511, 0.3179, 0.3241



53.5211, 0.3029, 0.2886



19.3754, 0.3187, 0.3234



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.



54.6625, 0.3310, 0.3130



71.1579, 0.3356, 0.3095



55.2770, 0.3420, 0.3325



13.1376, 0.3229, 0.3197



9.3664, 0.5363, 0.2728



0.6235, 0.4932, 0.2491







# Inverse Universe

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



54.6625, 0.3310, 0.3130



71.1579, 0.3356, 0.3095



65.8404, 0.2887, 0.3255



13.1376, 0.3229, 0.3197



9.3664, 0.5363, 0.2728



0.6235, 0.4932, 0.2491

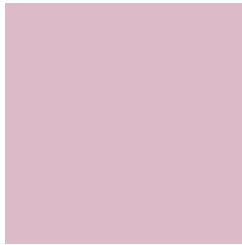






# Previews

## White Background



This preview shows how the Yxy color 54.6601, 0.3310, 0.3130 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

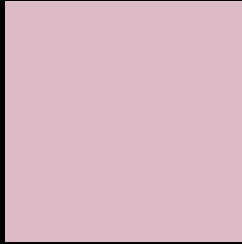
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.6601, 0.3310, 0.3130 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

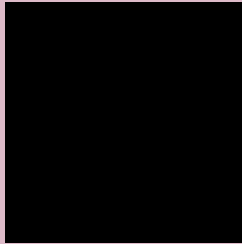
Any Text WCAG AAA ✓ Pass

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



**Yxy 54.6601, 0.3310, 0.3130**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.6601, 0.3310, 0.3130.



This preview shows how white text looks on a background with the Yxy color 54.6601, 0.3310, 0.3130.



# 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

54.6601, 0.3310, 0.3130

### Protanopia

54.7271, 0.3062, 0.3157

### Deuteranopia

54.5158, 0.3240, 0.3173





## Tritanopia

54.6601, 0.3310, 0.3130



# Trichromacy

	<b>Original Color</b> 54.6601, 0.3310, 0.3130
	<b>Protanomaly</b> 54.5525, 0.3150, 0.3148
	<b>Deuteranomaly</b> 54.5370, 0.3266, 0.3163
	<b>Tritanomaly</b> 54.6601, 0.3310, 0.3130

# Monochromacy

	<b>Original Color</b> 54.6601, 0.3310, 0.3130
	<b>Achromatopsia</b> 56.4712, 0.3127, 0.3290
	<b>Achromatomaly</b> 55.8289, 0.3186, 0.3231



# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.6601, 0.3310, 0.3130 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(221, 186, 200) looks like.

```
.text, #text, p{  
    color:rgb(221, 186, 200)  
}
```



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(221, 186, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 186, 200) }
```

## Border

The CSS property to change the border of an element to Yxy 54.6601, 0.3310, 0.3130 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(221, 186, 200) }
```



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

```
.border{ border-color:rgb(221, 186, 200) }
```

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

Here you see how a box with a 4 pixel rgb(221, 186, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 186, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 186, 200);  
box-shadow:4px 4px 4px 4px rgb(221, 186,  
200) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.6601, 0.3310, 0.3130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 186, 200) }
```

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

```
.background{ background-color: rgb(221,  
186, 200) }
```

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