

# Converting Colors

$Yxy(64.9222, 0.3622, 0.3984)$

Have a look what the booklet for  
Yxy(64.9222, 0.3622, 0.3984)  
contains.

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# Color

**Yxy(65.2277, 0.3622, 0.3985)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDD598
RGB	221, 213, 152
RGB Percent	87%, 84%, 60%
CMY	0.1332, 0.1647, 0.4039
CMYK	0.00, 0.04, 0.31, 0.13
HSL	53°, 50%, 73%
HSV	53°, 31%, 87%
XYZ	59.2860, 65.2277, 39.1694
YIQ	208.4380, 24.3490, -17.2750

# Conversions

## Conversions Part 2

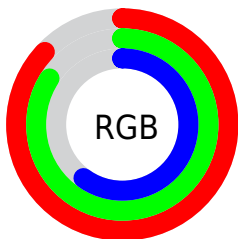
Format	Color
<a href="#">RYB</a>	<a href="#">161, 221, 152</a>
Decimal	<a href="#">14538136</a>
CIELab	<a href="#">84.60, -6.41, 31.21</a>
CIELCh	<a href="#">85, 31.861, 101.615</a>
Yxy	<a href="#">65.2277, 0.3622, 0.3985</a>
Android (android.graphics.Color)	<a href="#">4292728216 (0xFFDDD598)</a>
YUV	<a href="#">208.4380, -27.8239, 11.0169</a>
Hunter-Lab	<a href="#">80.7637, -10.3053, 27.7797</a>

# Details

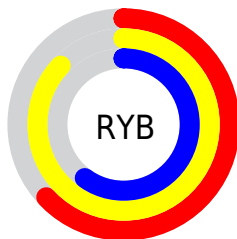
The Yxy color **65.2277, 0.3622, 0.3985** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.0473, 0.2586, 0.2484**, and the grayscale version is **63.5515, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2850, 0.3412, 0.3760**, and **33.3732, 0.3740, 0.4154** is the 20% darker color. If you saturate the color by 10%, you get **63.2898, 0.3785, 0.4203**, and if you desaturate by 10%, it is **67.3270, 0.3458, 0.3760**.

# Distribution



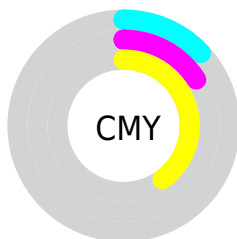
- Red (87%)
- Green (84%)
- Blue (60%)



- Red (63%)
- Yellow (87%)
- Blue (60%)



- Cyan (0%)
- Magenta (4%)
- Yellow (31%)
- Black (13%)



- Cyan (13%)
- Magenta (16%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.2277, 0.3622, 0.3985 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 65.2277, 0.3622, 0.3985 by changing the saturation by 10% instead.



 65.2277, 0.3622,  
0.3985


 65.2277, 0.3622,  
0.3985


443.6098, 0.3394,  
0.3656

 47.6457, 0.3673,  
0.4061


 112.3772, 0.3544,  
0.3870

 33.5464, 0.3735,  
0.4155


 142.7134, 0.3513,  
0.3825

 22.5454, 0.3811,  
0.4275

178.0700, 0.3486,  
0.3787

 14.2582, 0.3907,  
0.4429

218.8311, 0.3463,  
0.3754

 8.3004, 0.4028,  
0.4635

265.3812, 0.3443,  
0.3725

 4.2878, 0.4181,  
0.4920

318.1048, 0.3424,

 1.8358, 0.4501,

0.3699

0.5499

377.3862, 0.3408,  
0.3676

0.5094, 0.3914,  
0.6086

0.0000, 0.0000,  
0.0000

65.2277, 0.3622,  
0.3985

65.2277, 0.3622,  
0.3985

63.2898, 0.3785,  
0.4203

67.3270, 0.3458,  
0.3760

61.4967, 0.3942,  
0.4404


69.5858, 0.3298,  
0.3535


59.8432, 0.4085,  
0.4578


72.0136, 0.3145,  
0.3316


58.3199, 0.4208,  
0.4716


74.6165, 0.3003,  
0.3108

 56.9161, 0.4305,  
0.4812


 76.9073, 0.2915,  
0.2987

 55.6191, 0.4375,  
0.4862

 78.3145, 0.2915,  
0.3015

 54.5509, 0.4416,  
0.4875

 79.7427, 0.2916,  
0.3042

 81.1921, 0.2917,  
0.3069

 82.6627, 0.2918,  
0.3096

# Harmonies

## Analogous

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



65.2277, 0.3870, 0.3801



65.2277, 0.3622, 0.3985



65.2277, 0.3250, 0.3973

# Triad

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



65.2277, 0.3622, 0.3985



65.2277, 0.2402, 0.2994



65.2277, 0.3370, 0.2896

# Complementary

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



65.2277, 0.3622, 0.3985



37.0473, 0.2586, 0.2484

# 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.



65.2277, 0.2965, 0.2704



65.2277, 0.3622, 0.3985



65.2277, 0.2428, 0.2740

# Square

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



65.2277, 0.3622, 0.3985



65.2277, 0.2555, 0.3363



65.2277, 0.2626, 0.2644



65.2277, 0.3725, 0.3181



# Rectangle

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



65.2277, 0.3622, 0.3985



65.2277, 0.2985, 0.3838



65.2277, 0.2626, 0.2644



65.2277, 0.3234, 0.2820

# Sweetspot

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



65.2307, 0.3622, 0.3985



96.9180, 0.3264, 0.3487



40.3717, 0.3752, 0.3195



20.6417, 0.3287, 0.3519



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.



65.2307, 0.3622, 0.3985



88.5390, 0.3722, 0.4119



65.5375, 0.3392, 0.4123



14.9918, 0.3270, 0.3495



31.7894, 0.4412, 0.4879



2.1343, 0.4372, 0.4911



# Inverse Universe

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



37.0473, 0.2586, 0.2484



44.1222, 0.2465, 0.2297



37.1968, 0.2789, 0.2426



12.8598, 0.2981, 0.3077



3.5388, 0.1525, 0.0689

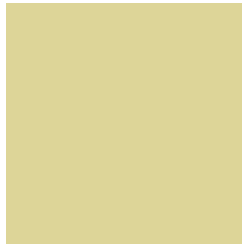


0.3123, 0.1584, 0.0901



# Previews

## White Background



This preview shows how the Yxy color 65.2277, 0.3622, 0.3985 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

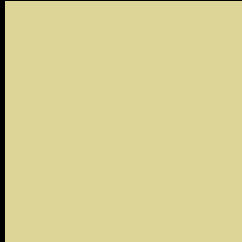
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.2277, 0.3622, 0.3985 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

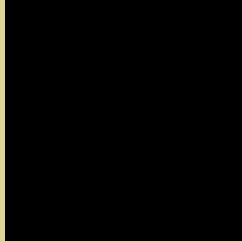
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

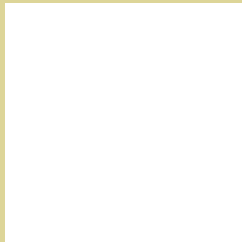
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 65.2277, 0.3622, 0.3985**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.2277, 0.3622, 0.3985.



This preview shows how white text looks on a background with the Yxy color 65.2277, 0.3622, 0.3985.

# 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

65.2277, 0.3622, 0.3985

### Protanopia

65.1538, 0.3684, 0.3964

### Deuteranopia

64.8981, 0.3885, 0.3798



## Tritanopia

65.0111, 0.3204, 0.3117

# Trichromacy



## Original Color

65.2277, 0.3622, 0.3985

## Protanomaly

65.3289, 0.3665, 0.3978

## Deuteranomaly

64.7932, 0.3786, 0.3868

## Tritanomaly

64.7345, 0.3361, 0.3424

# Monochromacy



## Original Color

65.2277, 0.3622, 0.3985

## Achromatopsia

63.0757, 0.3127, 0.3290

## Achromatomaly

63.8702, 0.3305, 0.3544

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.2277, 0.3622, 0.3985 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, 213, 152)` looks like.

```
.text, #text, p{  
    color:rgb(221, 213, 152)  
}
```

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, 213, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 213, 152) }
```

## Border

The CSS property to change the border of an element to Yxy 65.2277, 0.3622, 0.3985 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, 213, 152) }
```

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

```
.border{ border-color:rgb(221, 213, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 213, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 213, 152); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 213, 152); box-shadow:4px 4px 4px 4px rgb(221, 213, 152) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.2277, 0.3622, 0.3985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 213, 152) }
```

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

```
.background{ background-color: rgb(221,  
213, 152) }
```

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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