

# Converting Colors

$Yxy(69.1776, 0.3266, 0.3703)$

Have a look what the booklet for  
Yxy(69.1776, 0.3266, 0.3703)  
contains.

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# Color

**Yxy(69.1976, 0.3266, 0.3705)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D0DEBA
RGB	208, 222, 186
RGB Percent	82%, 87%, 73%
CMY	0.1842, 0.1294, 0.2707
CMYK	0.06, 0.00, 0.16, 0.13
HSL	83°, 35%, 80%
HSV	83°, 16%, 87%
XYZ	60.9985, 69.1976, 56.5721
YIQ	213.7100, 3.2120, -14.1640

# Conversions

## Conversions Part 2

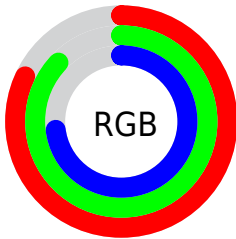
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	186, 222, 200
Decimal	13688506
CIE Lab	86.60, -10.96, 16.12
CIE LCh	87, 19.492, 124.232
Yxy	69.1976, 0.3266, 0.3705
Android (android.graphics.Color)	4291878586 (0xFFD0DEBA)
YUV	213.7100, -13.6610, -5.0077
Hunter-Lab	83.1851, -14.6823, 17.9079

# Details

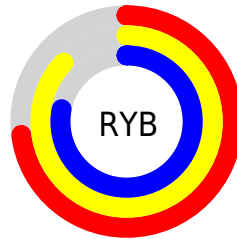
The Yxy color **69.1976, 0.3266, 0.3705** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **52.6448, 0.2971, 0.2868**, and the grayscale version is **67.1343, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1908, 0.3203, 0.3415**, and **36.1032, 0.3290, 0.3808** is the 20% darker color. If you saturate the color by 10%, you get **67.1146, 0.3350, 0.3981**, and if you desaturate by 10%, it is **71.5010, 0.3180, 0.3444**.

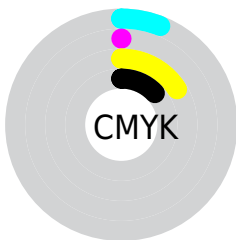
# Distribution



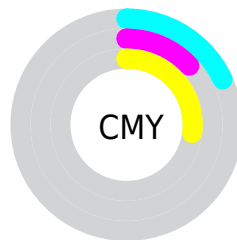
- Red (82%)
- Green (87%)
- Blue (73%)



- Red (73%)
- Yellow (87%)
- Blue (78%)



- Cyan (6%)
- Magenta (0%)
- Yellow (16%)
- Black (13%)




- Cyan (18%)
- Magenta (13%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.1976, 0.3266, 0.3705 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 69.1976, 0.3266, 0.3705 by changing the saturation by 10% instead.




 69.1976, 0.3266,  
0.3705

 69.1976, 0.3266,  
0.3705


457.7276, 0.3203,  
0.3507

 50.8727, 0.3280,  
0.3752


 118.0638, 0.3245,  
0.3635

 36.1073, 0.3297,  
0.3810


149.3738, 0.3236,  
0.3608

 24.5171, 0.3318,  
0.3885


185.7809, 0.3229,  
0.3586

 15.7176, 0.3344,  
0.3985

227.6696, 0.3222,  
0.3566

 9.3246, 0.3378,  
0.4124

275.4242, 0.3217,  
0.3548

 4.9535, 0.3424,  
0.4333

329.4292, 0.3212,

 2.2200, 0.3483,

0.3533

0.4675

390.0688, 0.3207,  
0.3519

0.7309, 0.3688,  
0.6312

0.0000, 0.0000,  
0.0000

69.1976, 0.3266,  
0.3705

69.1976, 0.3266,  
0.3705

67.1146, 0.3350,  
0.3981

71.5010, 0.3180,  
0.3444

65.2352, 0.3428,  
0.4267

74.0232, 0.3095,  
0.3201

63.5540, 0.3496,  
0.4552

76.7741, 0.3013,  
0.2979

62.0619, 0.3549,  
0.4825

78.4215, 0.3056,  
0.2961

■ 60.7491, 0.3582,  
0.5072

■ 79.9845, 0.3115,  
0.2967

■ 59.6043, 0.3593,  
0.5282

■ 80.7233, 0.3142,  
0.2970

■ 58.6149, 0.3578,  
0.5442

■ 57.7651, 0.3541,  
0.5551

■ 57.4715, 0.3524,  
0.5584

# Harmonies

## Analogous

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



69.1976, 0.3474, 0.3691



69.1976, 0.3266, 0.3705



69.1976, 0.3026, 0.3595

# Triad

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



69.1976, 0.3266, 0.3705



69.1976, 0.2683, 0.2991



69.1976, 0.3440, 0.3181

# Complementary

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



69.1976, 0.3266, 0.3705



52.6448, 0.2971, 0.2868

# 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.



69.1976, 0.3216, 0.3011



69.1976, 0.3266, 0.3705



69.1976, 0.2783, 0.2900

# Square

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



69.1976, 0.3266, 0.3705



69.1976, 0.2696, 0.3170



69.1976, 0.2976, 0.2909



69.1976, 0.3579, 0.3382



# Rectangle

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



69.1976, 0.3266, 0.3705



69.1976, 0.2881, 0.3468



69.1976, 0.2976, 0.2909



69.1976, 0.3372, 0.3119

# Sweetspot

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



69.2006, 0.3266, 0.3705



98.2803, 0.3170, 0.3414



60.2778, 0.3409, 0.3449



20.9856, 0.3176, 0.3431



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

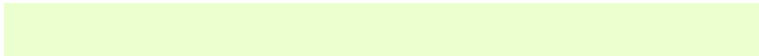


# Same Dimension

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



69.2006, 0.3266, 0.3705



93.8727, 0.3291, 0.3784



66.7551, 0.3136, 0.3722



15.7505, 0.3208, 0.3526



34.2024, 0.3533, 0.5577



2.4219, 0.3634, 0.5497



# Inverse Universe

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



52.6448, 0.2971, 0.2868



67.6893, 0.2939, 0.2785



55.2487, 0.3112, 0.2886



13.5011, 0.3041, 0.3052



4.3694, 0.1828, 0.0781



0.3534, 0.2002, 0.0877



# Previews

## White Background



This preview shows how the Yxy color 69.1976, 0.3266, 0.3705 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

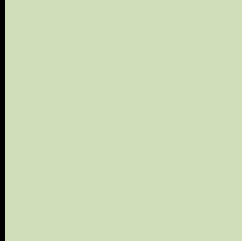
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.1976, 0.3266, 0.3705 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

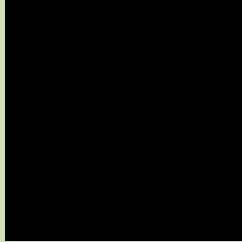
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

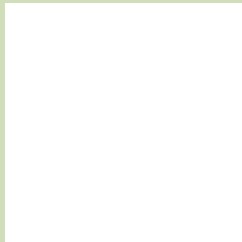
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.1976, 0.3266, 0.3705**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.1976, 0.3266, 0.3705.



This preview shows how white text looks on a background with the Yxy color 69.1976, 0.3266, 0.3705.

# 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

69.1976, 0.3266, 0.3705

### Protanopia

69.0246, 0.3448, 0.3656

### Deuteranopia

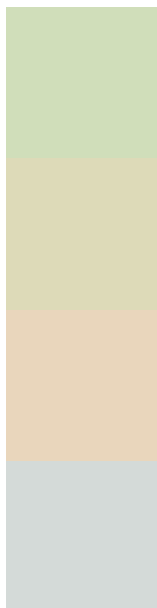
69.0492, 0.3568, 0.3502



## Tritanopia

68.9311, 0.3008, 0.3093

# Trichromacy



## Original Color

69.1976, 0.3266, 0.3705

## Protanomaly

68.9757, 0.3383, 0.3672

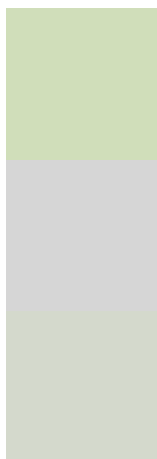
## Deuteranomaly

69.0476, 0.3454, 0.3575

## Tritanomaly

69.0977, 0.3097, 0.3312

# Monochromacy



## Original Color

69.1976, 0.3266, 0.3705

## Achromatopsia

67.2443, 0.3127, 0.3290

## Achromatomaly

67.9824, 0.3178, 0.3437

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.1976, 0.3266, 0.3705 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(208, 222, 186)` looks like.

```
.text, #text, p{  
    color:rgb(208, 222, 186)  
}
```

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(208, 222, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 222, 186) }
```

## Border

The CSS property to change the border of an element to Yxy 69.1976, 0.3266, 0.3705 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(208, 222, 186) }
```

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

```
.border{ border-color:rgb(208, 222, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 222, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 222, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 222, 186);  
box-shadow:4px 4px 4px 4px rgb(208, 222,  
186) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.1976, 0.3266, 0.3705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 222, 186) }
```

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

```
.background{ background-color: rgb(208,  
222, 186) }
```

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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