

# Converting Colors

$Yxy(70.2518, 0.3409, 0.3714)$

Have a look what the booklet for  
Yxy(70.2518, 0.3409, 0.3714)  
contains.

|   |    |
|---|----|
| <b>Yxy(70.2518, 0.3409, 0.3714)</b> ..... | 3  |
| <b>Conversions</b> .....                  | 4  |
| <b>Details</b> .....                      | 6  |
| <b>Harmonies</b> .....                    | 12 |
| <b>Previews</b> .....                     | 24 |
| <b>Color Blindness Simulation</b> .....   | 27 |
| <b>CSS Examples</b> .....                 | 30 |

# Color

**Yxy(70.2518, 0.3409, 0.3714)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | DFDCB6                      |
| RGB         | 223, 220, 182               |
| RGB Percent | 87%, 86%, 71%               |
| CMY         | 0.1252, 0.1373, 0.2863      |
| CMYK        | 0.00, 0.01, 0.18, 0.13      |
| HSL         | 56°, 39%, 79%               |
| HSV         | 56°, 18%, 87%               |
| XYZ         | 64.4826, 70.2518, 54.4196   |
| YIQ         | 216.5650, 13.9860, -11.1820 |

# Conversions

## Conversions Part 2

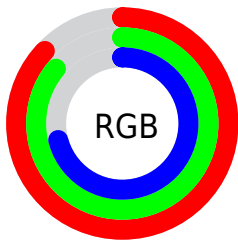
| Format                              | Color  |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">185, 223, 182</a>                  |
| Decimal                             | <a href="#">14671030</a>                       |
| CIELab                              | <a href="#">87.12, -5.14, 19.07</a>            |
| CIElCh                              | <a href="#">87, 19.755, 105.080</a>            |
| Yxy                                 | <a href="#">70.2518, 0.3409,<br/>0.3714</a>    |
| Android<br>(android.graphics.Color) | <a href="#">4292861110<br/>(0xFFDFDCB6)</a>    |
| YUV                                 | <a href="#">216.5650, -17.0405,<br/>5.6435</a> |
| Hunter-Lab                          | <a href="#">83.8163, -9.3528,<br/>20.1761</a>  |

# Details

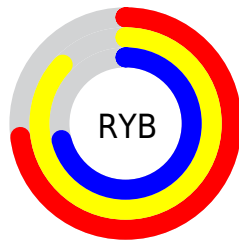
The Yxy color **70.2518, 0.3409, 0.3714** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **50.0090, 0.2826, 0.2827**, and the grayscale version is **69.1938, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.9530, 0.3226, 0.3454**, and **36.8201, 0.3479, 0.3816** is the 20% darker color. If you saturate the color by 10%, you get **68.5321, 0.3568, 0.3949**, and if you desaturate by 10%, it is **72.1334, 0.3253, 0.3481**.

# Distribution



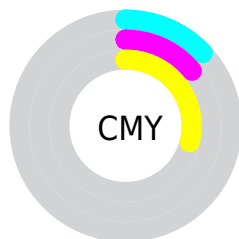
- Red (87%)
- Green (86%)
- Blue (71%)



- Red (73%)
- Yellow (87%)
- Blue (71%)



- Cyan (0%)
- Magenta (1%)
- Yellow (18%)
- Black (13%)




- Cyan (13%)
- Magenta (14%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.2518, 0.3409, 0.3714 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 70.2518, 0.3409, 0.3714 by changing the saturation by 10% instead.




 70.2518, 0.3409,  
0.3714

 70.2518, 0.3409,  
0.3714


461.4336, 0.3279,  
0.3515

 51.7318, 0.3438,  
0.3760


 119.5678, 0.3364,  
0.3644

 36.7914, 0.3475,  
0.3818


151.1326, 0.3347,  
0.3617

 25.0460, 0.3520,  
0.3891


187.8144, 0.3332,  
0.3594

 16.1113, 0.3578,  
0.3987

229.9978, 0.3318,  
0.3574

 9.6030, 0.3656,  
0.4118

278.0670, 0.3307,  
0.3557

 5.1365, 0.3764,  
0.4308

332.4064, 0.3296,

 2.3276, 0.3933,

0.3541

0.4619

393.4005, 0.3287,  
0.3527

0.7883, 0.4417,  
0.5583

0.0000, 0.0000,  
0.0000

70.2518, 0.3409,  
0.3714

70.2518, 0.3409,  
0.3714

68.5321, 0.3568,  
0.3949

72.1334, 0.3253,  
0.3481

66.9580, 0.3726,  
0.4178

74.1741, 0.3104,  
0.3255

65.5251, 0.3877,  
0.4391

76.3831, 0.2964,  
0.3040

64.2251, 0.4013,  
0.4579

77.6762, 0.2928,  
0.2997

63.0490, 0.4130,  
0.4733

78.5930, 0.2928,  
0.3015

61.9863, 0.4223,  
0.4845

79.5187, 0.2929,  
0.3032

61.0248, 0.4287,  
0.4912

80.4534, 0.2929,  
0.3050

60.1465, 0.4327,  
0.4939

81.3970, 0.2930,  
0.3067

60.0101, 0.4332,  
0.4942

82.3495, 0.2930,  
0.3085

# Harmonies

## Analogous

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



70.2518, 0.3566, 0.3626



70.2518, 0.3409, 0.3714



70.2518, 0.3180, 0.3682

# Triad

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



70.2518, 0.3409, 0.3714



70.2518, 0.2674, 0.3096



70.2518, 0.3304, 0.3064

# Complementary

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



70.2518, 0.3409, 0.3714



50.0090, 0.2826, 0.2827

# Split Complementary

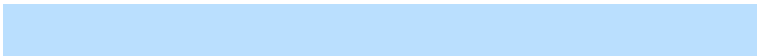
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.2518, 0.3060, 0.2934



70.2518, 0.3409, 0.3714



70.2518, 0.2703, 0.2944

# Square

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



70.2518, 0.3409, 0.3714



70.2518, 0.2760, 0.3312



70.2518, 0.2842, 0.2888



70.2518, 0.3506, 0.3252



# Rectangle

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



70.2518, 0.3409, 0.3714



70.2518, 0.3019, 0.3593



70.2518, 0.2842, 0.2888



70.2518, 0.3224, 0.3013

# Sweetspot

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



70.2549, 0.3409, 0.3714



98.3243, 0.3217, 0.3426



52.6771, 0.3455, 0.3251



21.0075, 0.3227, 0.3441



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.



70.2549, 0.3409, 0.3714



94.2467, 0.3469, 0.3803



69.3018, 0.3276, 0.3765



15.8446, 0.3269, 0.3505



35.3366, 0.4330, 0.4944



2.5025, 0.4307, 0.4962



# Inverse Universe

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



50.0090, 0.2826, 0.2827



62.1088, 0.2757, 0.2720



50.9470, 0.2956, 0.2808



13.4074, 0.2981, 0.3066



3.4251, 0.1514, 0.0650

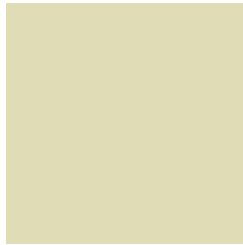


0.2959, 0.1553, 0.0789



# Previews

## White Background



This preview shows how the Yxy color 70.2518, 0.3409, 0.3714 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

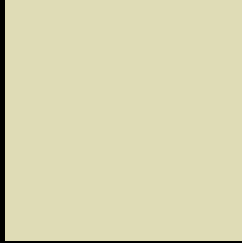
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.2518, 0.3409, 0.3714 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

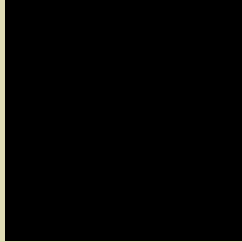
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

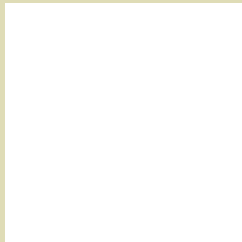
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.2518, 0.3409, 0.3714**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.2518, 0.3409, 0.3714.



This preview shows how white text looks on a background with the Yxy color 70.2518, 0.3409, 0.3714.

# 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

70.2518, 0.3409, 0.3714

### Protanopia

70.3020, 0.3473, 0.3697

### Deuteranopia

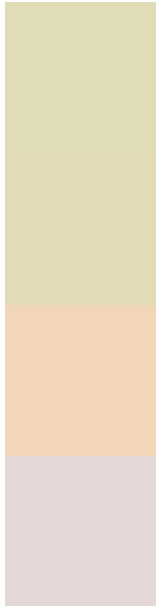
70.0631, 0.3635, 0.3563



## Tritanopia

69.9597, 0.3128, 0.3109

# Trichromacy



## Original Color

70.2518, 0.3409, 0.3714

## Protanomaly

70.3301, 0.3448, 0.3711

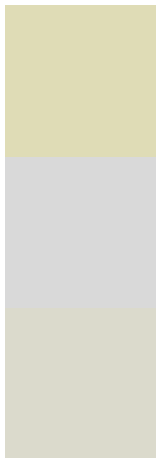
## Deuteranomaly

70.2128, 0.3554, 0.3623

## Tritanomaly

70.2467, 0.3228, 0.3323

# Monochromacy



## Original Color

70.2518, 0.3409, 0.3714

## Achromatopsia

69.3872, 0.3127, 0.3290

## Achromatomaly

69.5625, 0.3229, 0.3446

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.2518, 0.3409, 0.3714 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(223, 220, 182)` looks like.

```
.text, #text, p{  
    color:rgb(223, 220, 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(223, 220, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 220, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 70.2518, 0.3409, 0.3714 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(223, 220, 182) }
```

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

```
.border{ border-color:rgb(223, 220, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 220, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(223, 220, 182); -webkit-box-shadow:4px 4px 4px 4px rgb(223, 220, 182); box-shadow:4px 4px 4px 4px rgb(223, 220, 182) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.2518, 0.3409, 0.3714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 220, 182) }
```

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

```
.background{ background-color: rgb(223,  
220, 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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