

Converting Colors

$Y_{xy}(70.7112, 0.3361, 0.3713)$

Have a look what the booklet for
Yxy(70.7112, 0.3361, 0.3713)
contains.

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Color

Yxy(70.7633, 0.3361, 0.3717)

Conversions

Conversions Part 1

Format	Color
Hex	DBDEB8
RGB	219, 222, 184
RGB Percent	86%, 87%, 72%
CMY	0.1412, 0.1294, 0.2785
CMYK	0.01, 0.00, 0.17, 0.13
HSL	65°, 37%, 80%
HSV	65°, 17%, 87%
XYZ	63.9859, 70.7633, 55.6283
YIQ	216.7710, 10.4100, -12.4540

Conversions

Conversions Part 2

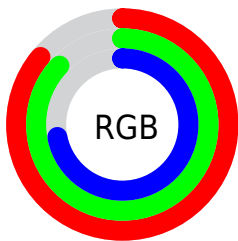
Format	Color
RYB	184, 222, 187
Decimal	14409400
CIELab	87.37, -7.35, 18.34
CIELCh	87, 19.756, 111.832
Yxy	70.7633, 0.3361, 0.3717
Android (android.graphics.Color)	4292599480 (0xFFDBDEB8)
YUV	216.7710, -16.1561, 1.9548
Hunter-Lab	84.1209, -11.4371, 19.6768

Details

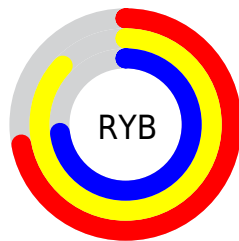
The Yxy color **70.7633, 0.3361, 0.3717** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **50.1162, 0.2870, 0.2831**, and the grayscale version is **69.3318, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0713, 0.3214, 0.3434**, and **37.1686, 0.3415, 0.3820** is the 20% darker color. If you saturate the color by 10%, you get **69.6366, 0.3499, 0.3974**, and if you desaturate by 10%, it is **72.0452, 0.3223, 0.3464**.

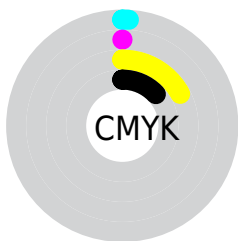
Distribution



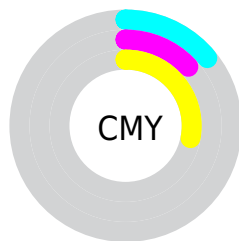
- Red (86%)
- Green (87%)
- Blue (72%)



- Red (72%)
- Yellow (87%)
- Blue (73%)



- Cyan (1%)
- Magenta (0%)
- Yellow (17%)
- Black (13%)





- Cyan (14%)
- Magenta (13%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.7633, 0.3361, 0.3717 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 70.7633, 0.3361, 0.3717 by changing the saturation by 10% instead.


 70.7633, 0.3361,
0.3717

 70.7633, 0.3361,
0.3717


463.2256, 0.3254,
0.3516

 52.1491, 0.3385,
0.3764


 120.2966, 0.3324,
0.3646

 37.1239, 0.3415,
0.3822


151.9845, 0.3310,
0.3619

 25.3034, 0.3451,
0.3897


188.7990, 0.3297,
0.3596

 16.3033, 0.3499,
0.3995


231.1247, 0.3286,
0.3576

 9.7390, 0.3561,
0.4130

279.3457, 0.3277,
0.3558

 5.2263, 0.3647,
0.4327

333.8466, 0.3268,

 2.3806, 0.3772,

0.3542

0.4645

395.0118, 0.3261,
0.3528

0.8159, 0.4222,
0.5778

0.0000, 0.0000,
0.0000

70.7633, 0.3361,
0.3717

70.7633, 0.3361,
0.3717

69.6366, 0.3499,
0.3974

72.0452, 0.3223,
0.3464

68.6489, 0.3632,
0.4226

73.4794, 0.3089,
0.3221

67.7961, 0.3755,
0.4465

75.0748, 0.2961,
0.2993

67.0701, 0.3862,
0.4680

75.6376, 0.2946,
0.2950

66.4620, 0.3948,
0.4861

75.9227, 0.2958,
0.2951

65.9618, 0.4008,
0.5002

76.2107, 0.2969,
0.2952

65.5577, 0.4043,
0.5098

76.5017, 0.2981,
0.2953

65.2341, 0.4053,
0.5152

76.7956, 0.2993,
0.2955

65.1485, 0.4054,
0.5163

77.0924, 0.3005,
0.2956

Harmonies

Analogous

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



70.7633, 0.3539, 0.3654



70.7633, 0.3361, 0.3717



70.7633, 0.3125, 0.3657

Triad

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



70.7633, 0.3361, 0.3717



70.7633, 0.2671, 0.3055



70.7633, 0.3355, 0.3103

Complementary

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



70.7633, 0.3361, 0.3717



50.1162, 0.2870, 0.2831

Split Complementary

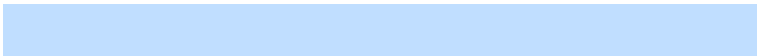
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.7633, 0.3115, 0.2957



70.7633, 0.3361, 0.3717



70.7633, 0.2726, 0.2923

Square

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



70.7633, 0.3361, 0.3717



70.7633, 0.2732, 0.3261



70.7633, 0.2886, 0.2891



70.7633, 0.3538, 0.3298

Rectangle

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



70.7633, 0.3361, 0.3717



70.7633, 0.2967, 0.3552



70.7633, 0.2886, 0.2891



70.7633, 0.3278, 0.3047

Sweetspot

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



70.7664, 0.3361, 0.3717



99.0152, 0.3195, 0.3413



54.3309, 0.3450, 0.3320



21.1647, 0.3204, 0.3430



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.



70.7664, 0.3361, 0.3717



96.2245, 0.3417, 0.3821



68.0495, 0.3224, 0.3736



15.9716, 0.3255, 0.3522



38.7172, 0.4056, 0.5161



2.7002, 0.4078, 0.5144

Inverse Universe

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



50.1162, 0.2870, 0.2831



62.2797, 0.2801, 0.2709



52.6070, 0.3015, 0.2850



13.2948, 0.2993, 0.3048



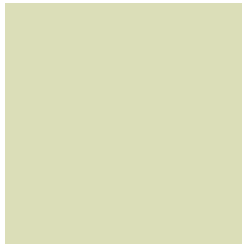
3.2252, 0.1526, 0.0615



0.2418, 0.1600, 0.0655

Previews

White Background



This preview shows how the Yxy color 70.7633, 0.3361, 0.3717 looks on a white background.

Color Contrast Check

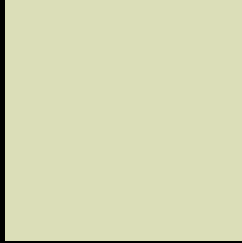
Large Text (above 18pt) WCAG AA × Fail

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 70.7633, 0.3361, 0.3717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

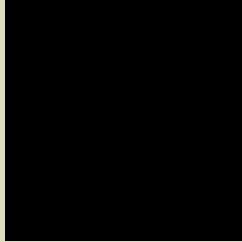
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

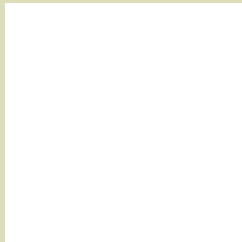
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.7633, 0.3361, 0.3717

Background



This preview shows how black text looks on a background with the Yxy color 70.7633, 0.3361, 0.3717.



This preview shows how white text looks on a background with the Yxy color 70.7633, 0.3361, 0.3717.

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

70.7633, 0.3361, 0.3717

Protanopia

70.5091, 0.3474, 0.3685

Deuteranopia

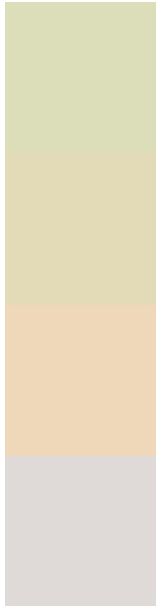
70.6429, 0.3617, 0.3552



Tritanopia

70.5958, 0.3093, 0.3109

Trichromacy



Original Color

70.7633, 0.3361, 0.3717

Protanomaly

70.4128, 0.3434, 0.3688

Deuteranomaly

70.4544, 0.3521, 0.3613

Tritanomaly

70.7371, 0.3183, 0.3323

Monochromacy



Original Color

70.7633, 0.3361, 0.3717

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

69.9762, 0.3214, 0.3446

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.7633, 0.3361, 0.3717 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(219, 222, 184)` looks like.

```
.text, #text, p{  
    color:rgb(219, 222, 184)  
}
```

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(219, 222, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 222, 184) }
```

Border

The CSS property to change the border of an element to Yxy 70.7633, 0.3361, 0.3717 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(219, 222, 184) }
```

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

```
.border{ border-color:rgb(219, 222, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 222, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 222, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 222, 184);  
box-shadow:4px 4px 4px 4px rgb(219, 222,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 70.7633, 0.3361, 0.3717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 222, 184) }
```

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

```
.background{ background-color: rgb(219,  
222, 184) }
```

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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