

Converting Colors

$Yxy(67.8249, 0.3248, 0.3402)$

Have a look what the booklet for
Yxy(67.8249, 0.3248, 0.3402)
contains.

Yxy(67.8249, 0.3248, 0.3402)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(67.8249, 0.3248, 0.3402)

Conversions

Conversions Part 1

Format	Color
Hex	DDD6CC
RGB	221, 214, 204
RGB Percent	87%, 84%, 80%
CMY	0.1335, 0.1607, 0.2001
CMYK	0.00, 0.03, 0.08, 0.13
HSL	35°, 20%, 83%
HSV	35°, 8%, 87%
XYZ	64.7546, 67.8249, 66.7882
YIQ	214.9530, 7.3820, -1.6260

Conversions

Conversions Part 2

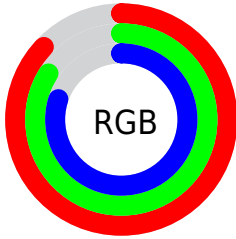
Format	Color
R _Y B	216, 221, 204
Decimal	14538444
CIE Lab	85.92, 0.66, 5.79
CIE LCh	86, 5.827, 83.538
Yxy	67.8249, 0.3248, 0.3402
Android (android.graphics.Color)	4292728524 (0xFFDDD6CC)
YUV	214.9530, -5.3998, 5.3032
Hunter-Lab	82.3559, -3.7721, 9.5667

Details

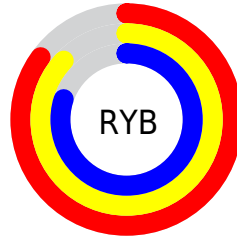
The Yxy color **67.8249, 0.3248, 0.3402** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.6043, 0.3009, 0.3175**, and the grayscale version is **67.9531, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.1053, 0.3278, 0.3422** is the 20% darker color. If you saturate the color by 10%, you get **62.3924, 0.3422, 0.3555**, and if you desaturate by 10%, it is **73.6676, 0.3093, 0.3257**.

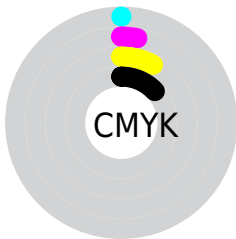
Distribution



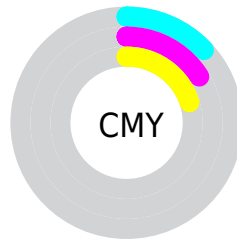
- Red (87%)
- Green (84%)
- Blue (80%)



- Red (85%)
- Yellow (87%)
- Blue (80%)



- Cyan (0%)
- Magenta (3%)
- Yellow (8%)
- Black (13%)



- Cyan (13%)
- Magenta (16%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.8249, 0.3248, 0.3402 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 67.8249, 0.3248, 0.3402 by changing the saturation by 10% instead.

■ 67.8249, 0.3248,
0.3402

■ 67.8249, 0.3248,
0.3402

452.8754, 0.3191,
0.3350

■ 49.7553, 0.3261,
0.3414

116.1016, 0.3228,
0.3384

■ 35.2190, 0.3278,
0.3429

147.0775, 0.3220,
0.3377

■ 23.8316, 0.3299,
0.3448

183.1243, 0.3214,
0.3371

■ 15.2088, 0.3326,
0.3474

224.6264, 0.3208,
0.3365

■ 8.9660, 0.3365,
0.3509

271.9681, 0.3203,
0.3361

■ 4.7190, 0.3421,
0.3561

325.5339, 0.3199,

■ 2.0834, 0.3513,

0.3357

0.3644

385.7082, 0.3195,
0.3353

0.6552, 0.3986,
0.4088

0.0000, 0.0000,
0.0000

67.8249, 0.3248,
0.3402

67.8249, 0.3248,
0.3402

62.3924, 0.3422,
0.3555

73.6676, 0.3093,
0.3257

57.3509, 0.3616,
0.3712

79.9216, 0.2956,
0.3122

52.6925, 0.3828,
0.3870

85.5767, 0.2919,
0.3148

48.4054, 0.4056,
0.4020

91.0651, 0.2921,
0.3241

■ 44.4775, 0.4293,
0.4154

■ 94.1073, 0.2923,
0.3289

■ 40.8952, 0.4530,
0.4259

■ 37.6441, 0.4755,
0.4324

■ 34.7073, 0.4955,
0.4338

■ 32.0639, 0.5120,
0.4300

Harmonies

Analogous

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



67.8249, 0.3269, 0.3359



67.8249, 0.3248, 0.3402



67.8249, 0.3195, 0.3415

Triad

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



67.8249, 0.3248, 0.3402



67.8249, 0.3005, 0.3280



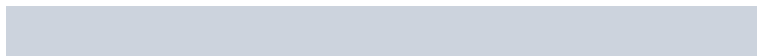
67.8249, 0.3129, 0.3189

Complementary

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



67.8249, 0.3248, 0.3402



64.6043, 0.3009, 0.3175

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.



67.8249, 0.3059, 0.3168



67.8249, 0.3248, 0.3402



67.8249, 0.2988, 0.3219

Square

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



67.8249, 0.3248, 0.3402



67.8249, 0.3055, 0.3344



67.8249, 0.3007, 0.3178



67.8249, 0.3200, 0.3237

Rectangle

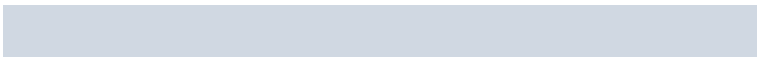
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.8249, 0.3248, 0.3402



67.8249, 0.3148, 0.3405



67.8249, 0.3007, 0.3178



67.8249, 0.3105, 0.3179

Sweetspot

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



67.8279, 0.3248, 0.3402



98.3521, 0.3158, 0.3319



63.2468, 0.3207, 0.3211



21.0688, 0.3156, 0.3317



0.0000, 0.0000, 0.0000



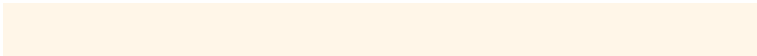
21.4041, 0.3127, 0.3290

Same Dimension

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



67.8279, 0.3248, 0.3402



92.7652, 0.3271, 0.3423



71.2011, 0.3230, 0.3478



14.3242, 0.3277, 0.3428



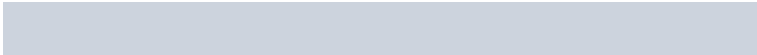
18.5260, 0.5138, 0.4303



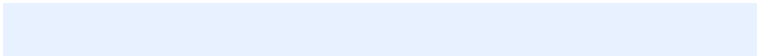
1.3681, 0.4943, 0.4458

Inverse Universe

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



64.6043, 0.3009, 0.3175



87.5540, 0.2987, 0.3154



61.4271, 0.3020, 0.3096



13.4875, 0.2982, 0.3148



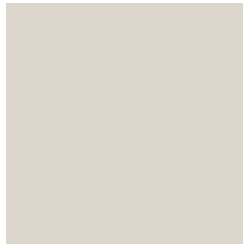
7.5298, 0.1694, 0.1297



0.6546, 0.1784, 0.1621

Previews

White Background



This preview shows how the Yxy color 67.8249, 0.3248, 0.3402 looks on a white background.

Color Contrast Check

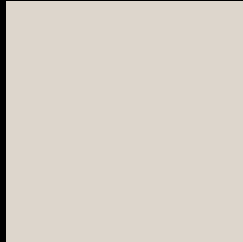
Large Text (above 18pt) WCAG AA × Fail

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 67.8249, 0.3248, 0.3402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

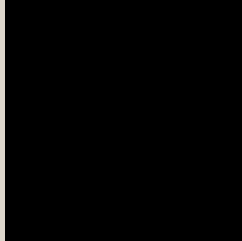
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

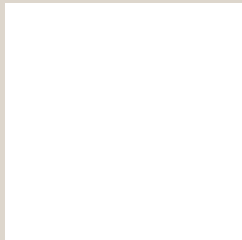
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.8249, 0.3248, 0.3402

Background



This preview shows how black text looks on a background with the Yxy color 67.8249, 0.3248, 0.3402.

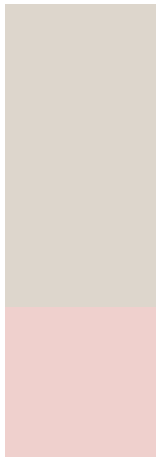


This preview shows how white text looks on a background with the Yxy color 67.8249, 0.3248, 0.3402.

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

67.8249, 0.3248, 0.3402

Protanopia

67.8249, 0.3248, 0.3402

Deuteranopia

67.8703, 0.3387, 0.3323



Tritanopia

67.9819, 0.3113, 0.3117

Trichromacy



Original Color

67.8249, 0.3248, 0.3402

Protanomaly

67.8249, 0.3248, 0.3402

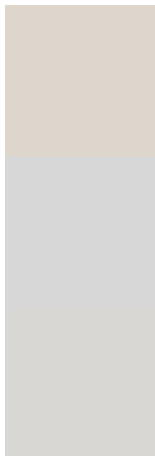
Deuteranomaly

67.6568, 0.3329, 0.3345

Tritanomaly

67.8894, 0.3160, 0.3214

Monochromacy



Original Color

67.8249, 0.3248, 0.3402

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

68.0557, 0.3169, 0.3335

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.8249, 0.3248, 0.3402 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, 214, 204) looks like.

```
.text, #text, p{  
    color:rgb(221, 214, 204)  
}
```

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, 214, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 214, 204) }
```

Border

The CSS property to change the border of an element to Yxy 67.8249, 0.3248, 0.3402 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, 214, 204) }
```

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

```
.border{ border-color:rgb(221, 214, 204) }
```

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

Here you see how a box with a 4 pixel rgb(221, 214, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 214, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 214, 204);  
box-shadow:4px 4px 4px 4px rgb(221, 214,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 67.8249, 0.3248, 0.3402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 214, 204) }
```

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

```
.background{ background-color: rgb(221,  
214, 204) }
```

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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