

Converting Colors

$Yxy(63.6557, 0.3257, 0.3392)$

Have a look what the booklet for
Yxy(63.6557, 0.3257, 0.3392)
contains.

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Color

Yxy(63.8342, 0.3252, 0.3393)

Conversions

Conversions Part 1

Format	Color
Hex	D8D0C7
RGB	216, 208, 199
RGB Percent	85%, 82%, 78%
CMY	0.1529, 0.1843, 0.2197
CMYK	0.00, 0.04, 0.08, 0.15
HSL	32°, 18%, 81%
HSV	32°, 8%, 85%
XYZ	61.1815, 63.8342, 63.1193
YIQ	209.3660, 7.6570, -1.1030

Conversions

Conversions Part 2

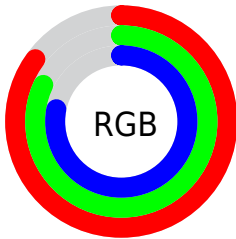
Format	Color
R _Y B	214, 216, 199
Decimal	14209223
CIE Lab	83.88, 1.20, 5.44
CIE LCh	84, 5.575, 77.563
Yxy	63.8342, 0.3252, 0.3393
Android (android.graphics.Color)	4292399303 (0xFFD8D0C7)
YUV	209.3660, -5.1104, 5.8180
Hunter-Lab	79.8963, -3.1302, 9.0874

Details

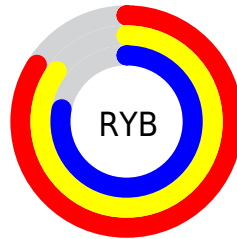
The Yxy color **63.8342, 0.3252, 0.3393** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **61.7118, 0.3006, 0.3185**, and the grayscale version is **64.0430, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **32.7326, 0.3283, 0.3426** is the 20% darker color. If you saturate the color by 10%, you get **58.1138, 0.3430, 0.3530**, and if you desaturate by 10%, it is **70.0191, 0.3096, 0.3263**.

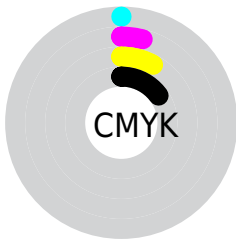
Distribution



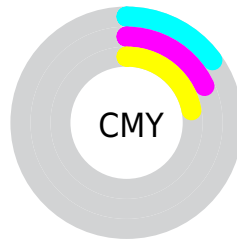
- Red (85%)
- Green (82%)
- Blue (78%)



- Red (84%)
- Yellow (85%)
- Blue (78%)



- Cyan (0%)
- Magenta (4%)
- Yellow (8%)
- Black (15%)



- Cyan (15%)
- Magenta (18%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.8342, 0.3252, 0.3393 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 63.8342, 0.3252, 0.3393 by changing the saturation by 10% instead.

■ 63.8342, 0.3252,
0.3393

■ 63.8342, 0.3252,
0.3393

438.5907, 0.3193,
0.3344

■ 46.5164, 0.3266,
0.3404

110.3721, 0.3231,
0.3376

■ 32.6535, 0.3283,
0.3419

140.3610, 0.3223,
0.3369

■ 21.8611, 0.3306,
0.3437

175.3424, 0.3216,
0.3364

■ 13.7549, 0.3336,
0.3461

215.7007, 0.3210,
0.3359

■ 7.9504, 0.3378,
0.3495

261.8203, 0.3205,
0.3355

■ 4.0632, 0.3441,
0.3545

314.0856, 0.3200,

■ 1.7090, 0.3546,

0.3351

372.8809, 0.3196,
0.3347

0.3628

0.4295, 0.4586,
0.4502

0.0000, 0.0000,
0.0000

63.8342, 0.3252,
0.3393

63.8342, 0.3252,
0.3393

58.1138, 0.3430,
0.3530

70.0191, 0.3096,
0.3263

52.8376, 0.3630,
0.3673

76.6713, 0.2959,
0.3142

47.9961, 0.3853,
0.3815

83.2259, 0.2888,
0.3118

43.5760, 0.4096,
0.3951

89.3154, 0.2892,
0.3224

■ 39.5635, 0.4354,
0.4071

■ 93.3387, 0.2894,
0.3289

■ 35.9434, 0.4617,
0.4163

■ 32.6995, 0.4871,
0.4215

■ 29.8135, 0.5101,
0.4215

■ 27.2621, 0.5293,
0.4162

Harmonies

Analogous

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



63.8342, 0.3265, 0.3346



63.8342, 0.3252, 0.3393



63.8342, 0.3206, 0.3412

Triad

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



63.8342, 0.3252, 0.3393



63.8342, 0.3015, 0.3293



63.8342, 0.3115, 0.3185

Complementary

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



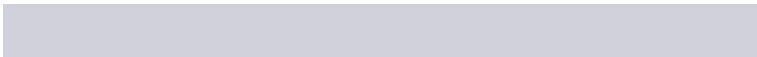
63.8342, 0.3252, 0.3393



61.7118, 0.3006, 0.3185

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.



63.8342, 0.3049, 0.3170



63.8342, 0.3252, 0.3393



63.8342, 0.2992, 0.3232

Square

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



63.8342, 0.3252, 0.3393



63.8342, 0.3069, 0.3354



63.8342, 0.3004, 0.3187



63.8342, 0.3185, 0.3227

Rectangle

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



63.8342, 0.3252, 0.3393



63.8342, 0.3162, 0.3407



63.8342, 0.3004, 0.3187



63.8342, 0.3091, 0.3177

Sweetspot

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



63.8370, 0.3252, 0.3393



98.1570, 0.3158, 0.3316



59.9538, 0.3200, 0.3197



21.0291, 0.3156, 0.3315



0.0000, 0.0000, 0.0000



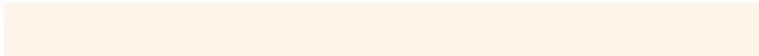
21.4041, 0.3127, 0.3290

Same Dimension

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



63.8370, 0.3252, 0.3393



91.9234, 0.3272, 0.3409



67.7894, 0.3241, 0.3482



13.5002, 0.3278, 0.3414



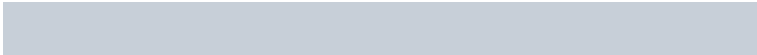
16.0559, 0.5310, 0.4165



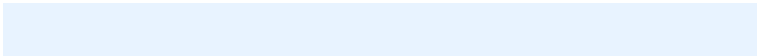
1.1336, 0.5066, 0.4360

Inverse Universe

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



61.7118, 0.3006, 0.3185



88.3831, 0.2987, 0.3168



57.9765, 0.3009, 0.3090



12.9608, 0.2982, 0.3163



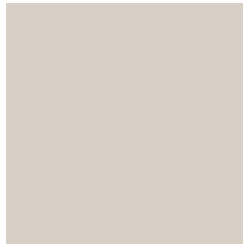
8.7078, 0.1747, 0.1488



0.6901, 0.1837, 0.1814

Previews

White Background



This preview shows how the Yxy color 63.8342, 0.3252, 0.3393 looks on a white background.

Color Contrast Check

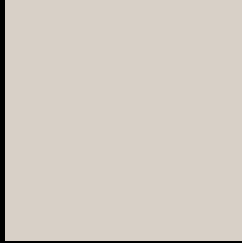
Large Text (above 18pt) WCAG AA × Fail

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 63.8342, 0.3252, 0.3393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

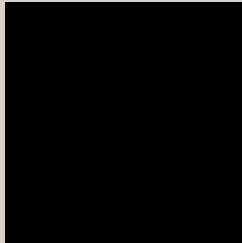
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

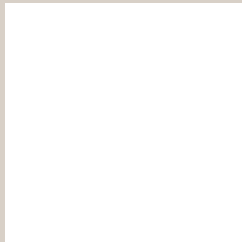
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.8342, 0.3252, 0.3393

Background



This preview shows how black text looks on a background with the Yxy color 63.8342, 0.3252, 0.3393.

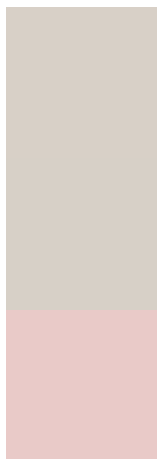


This preview shows how white text looks on a background with the Yxy color 63.8342, 0.3252, 0.3393.

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

63.8342, 0.3252, 0.3393

Protanopia

63.6823, 0.3244, 0.3393

Deuteranopia

63.7348, 0.3386, 0.3313



Tritanopia

63.9432, 0.3120, 0.3113

Trichromacy



Original Color

63.8342, 0.3252, 0.3393

Protanomaly

63.6823, 0.3244, 0.3393

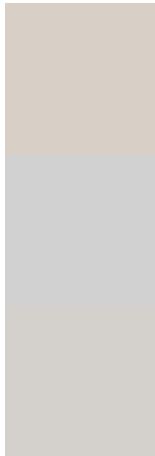
Deuteranomaly

63.6868, 0.3336, 0.3335

Tritanomaly

63.8521, 0.3169, 0.3212

Monochromacy



Original Color

63.8342, 0.3252, 0.3393

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

64.0058, 0.3178, 0.3336

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.8342, 0.3252, 0.3393 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(216, 208, 199)` looks like.

```
.text, #text, p{  
    color:rgb(216, 208, 199)  
}
```

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(216, 208, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 208, 199) }
```

Border

The CSS property to change the border of an element to Yxy 63.8342, 0.3252, 0.3393 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(216, 208, 199) }
```

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

```
.border{ border-color:rgb(216, 208, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 208, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 208, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 208, 199);  
box-shadow:4px 4px 4px 4px rgb(216, 208,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 63.8342, 0.3252, 0.3393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 208, 199) }
```

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

```
.background{ background-color: rgb(216,  
208, 199) }
```

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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