

Converting Colors

$Y_{xy}(69.6716, 0.3236, 0.3326)$

Have a look what the booklet for
Yxy(69.6716, 0.3236, 0.3326)
contains.

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Color

Yxy(69.6852, 0.3236, 0.3323)

Conversions

Conversions Part 1

Format	Color
Hex	E3D7D4
RGB	227, 215, 212
RGB Percent	89%, 84%, 83%
CMY	0.1098, 0.1568, 0.1686
CMYK	0.00, 0.05, 0.07, 0.11
HSL	12°, 21%, 86%
HSV	12°, 7%, 89%
XYZ	67.8608, 69.6852, 72.1597
YIQ	218.2460, 8.1150, 1.6110

Conversions

Conversions Part 2

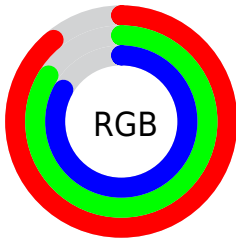
Format	Color
R _Y B	227, 216, 212
Decimal	14931924
CIE Lab	86.84, 3.60, 2.94
CIE LCh	87, 4.650, 39.261
Yxy	69.6852, 0.3236, 0.3323
Android (android.graphics.Color)	4293122004 (0xFFE3D7D4)
YUV	218.2460, -3.0793, 7.6773
Hunter-Lab	83.4777, -0.9795, 7.1829

Details

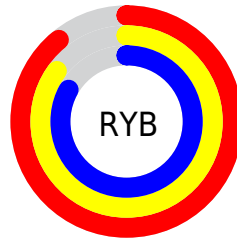
The Yxy color **69.6852, 0.3236, 0.3323** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.8462, 0.3025, 0.3257**, and the grayscale version is **70.3082, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.3466, 0.3271, 0.3333** is the 20% darker color. If you saturate the color by 10%, you get **59.8874, 0.3429, 0.3376**, and if you desaturate by 10%, it is **80.6750, 0.3076, 0.3274**.

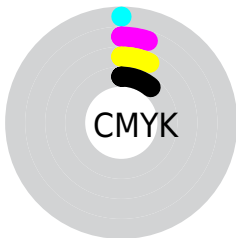
Distribution



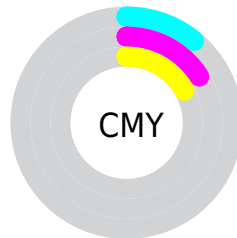
- Red (89%)
- Green (84%)
- Blue (83%)



- Red (89%)
- Yellow (85%)
- Blue (83%)



- Cyan (0%)
- Magenta (5%)
- Yellow (7%)
- Black (11%)





- Cyan (11%)
- Magenta (16%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.6852, 0.3236, 0.3323 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 69.6852, 0.3236, 0.3323 by changing the saturation by 10% instead.


 69.6852, 0.3236,
0.3323

 69.6852, 0.3236,
0.3323


459.4439, 0.3185,
0.3308

 51.2699, 0.3248,
0.3326


118.7597, 0.3218,
0.3318

 36.4235, 0.3262,
0.3331


150.1878, 0.3211,
0.3316

 24.7614, 0.3281,
0.3336


186.7222, 0.3205,
0.3314

 15.8994, 0.3306,
0.3343

228.7474, 0.3200,
0.3312

 9.4530, 0.3340,
0.3352

276.6478, 0.3196,
0.3311

 5.0378, 0.3390,
0.3366

330.8077, 0.3192,

 2.2695, 0.3471,

0.3310

0.3387

391.6116, 0.3188,
0.3309

0.7575, 0.3698,
0.3468

0.0000, 0.0000,
0.0000

69.6852, 0.3236,
0.3323

69.6852, 0.3236,
0.3323

59.8874, 0.3429,
0.3376

80.6750, 0.3076,
0.3274

51.2325, 0.3663,
0.3432

92.7304, 0.2957,
0.3252

43.6814, 0.3943,
0.3488

95.0699, 0.2958,
0.3290

37.1891, 0.4273,
0.3541

■ 31.7078, 0.4650,
0.3583

■ 27.1857, 0.5061,
0.3607

■ 23.5664, 0.5474,
0.3602

■ 20.7872, 0.5843,
0.3562

■ 18.7765, 0.6119,
0.3489

Harmonies

Analogous

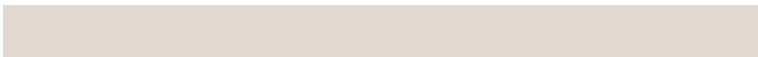
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.6852, 0.3208, 0.3273



69.6852, 0.3236, 0.3323



69.6852, 0.3234, 0.3365

Triad

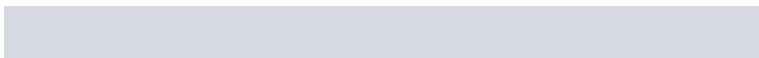
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.6852, 0.3236, 0.3323



69.6852, 0.3095, 0.3354



69.6852, 0.3051, 0.3194

Complementary

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



69.6852, 0.3236, 0.3323



72.8462, 0.3025, 0.3257

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.



69.6852, 0.3021, 0.3215



69.6852, 0.3236, 0.3323



69.6852, 0.3047, 0.3307

Square

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



69.6852, 0.3236, 0.3323



69.6852, 0.3152, 0.3384



69.6852, 0.3020, 0.3256



69.6852, 0.3101, 0.3199

Rectangle

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



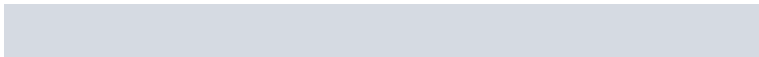
69.6852, 0.3236, 0.3323



69.6852, 0.3216, 0.3383



69.6852, 0.3020, 0.3256



69.6852, 0.3038, 0.3198

Sweetspot

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



69.6882, 0.3236, 0.3323



97.1023, 0.3159, 0.3300



68.7980, 0.3155, 0.3161



20.8143, 0.3157, 0.3299



0.0000, 0.0000, 0.0000



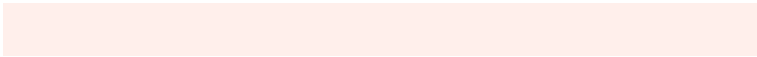
21.4041, 0.3127, 0.3290

Same Dimension

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



69.6882, 0.3236, 0.3323



88.7886, 0.3262, 0.3330



73.5896, 0.3229, 0.3404



14.8339, 0.3287, 0.3338



10.7748, 0.6172, 0.3482



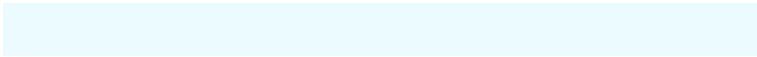
0.9259, 0.5898, 0.3699

Inverse Universe

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



72.8462, 0.3025, 0.3257



93.7503, 0.3003, 0.3249



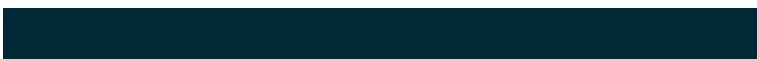
68.9098, 0.3026, 0.3174



15.8193, 0.2981, 0.3242



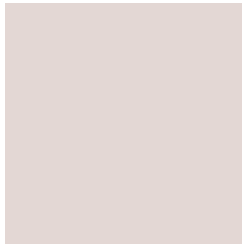
22.7849, 0.2065, 0.2635



1.8088, 0.2095, 0.2741

Previews

White Background



This preview shows how the Yxy color 69.6852, 0.3236, 0.3323 looks on a white background.

Color Contrast Check

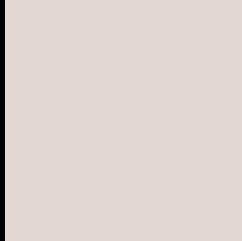
Large Text (above 18pt) WCAG AA × Fail

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 69.6852, 0.3236, 0.3323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

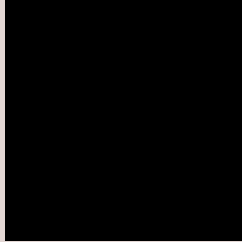
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

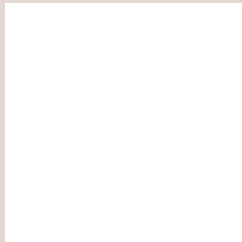
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.6852, 0.3236, 0.3323

Background



This preview shows how black text looks on a background with the Yxy color 69.6852, 0.3236, 0.3323.

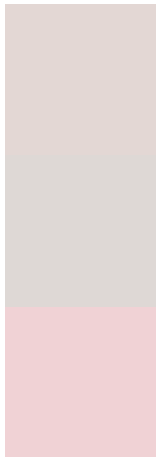


This preview shows how white text looks on a background with the Yxy color 69.6852, 0.3236, 0.3323.

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

69.6852, 0.3236, 0.3323

Protanopia

69.4454, 0.3191, 0.3323

Deuteranopia

69.4225, 0.3333, 0.3259



Tritanopia

69.4021, 0.3136, 0.3109

Trichromacy



Original Color

69.6852, 0.3236, 0.3323

Protanomaly

69.7631, 0.3206, 0.3323

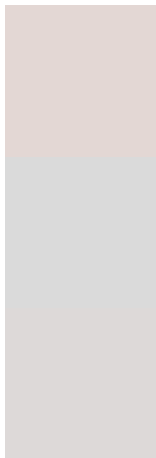
Deuteranomaly

69.5532, 0.3292, 0.3280

Tritanomaly

69.4102, 0.3169, 0.3183

Monochromacy



Original Color

69.6852, 0.3236, 0.3323

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

69.9557, 0.3163, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.6852, 0.3236, 0.3323 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(227, 215, 212)` looks like.

```
.text, #text, p{  
    color:rgb(227, 215, 212)  
}
```

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(227, 215, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 215, 212) }
```

Border

The CSS property to change the border of an element to Yxy 69.6852, 0.3236, 0.3323 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(227, 215, 212) }
```

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

```
.border{ border-color:rgb(227, 215, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 215, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 215, 212); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 215, 212); box-shadow:4px 4px 4px 4px rgb(227, 215, 212) }
```


Background

The CSS property to change the background color of an element to Yxy 69.6852, 0.3236, 0.3323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 215, 212) }
```

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

```
.background{ background-color: rgb(227,  
215, 212) }
```

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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