

Converting Colors

$Yxy(70.3034, 0.3201, 0.3407)$

Have a look what the booklet for
Yxy(70.3034, 0.3201, 0.3407)
contains.

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Color

Yxy(70.2772, 0.3201, 0.3412)

Conversions

Conversions Part 1

Format	Color
Hex	DBDBD0
RGB	219, 219, 208
RGB Percent	86%, 86%, 82%
CMY	0.1411, 0.1412, 0.1843
CMYK	0.00, 0.00, 0.05, 0.14
HSL	60°, 13%, 84%
HSV	60°, 5%, 86%
XYZ	65.9312, 70.2772, 69.7623
YIQ	217.7460, 3.5310, -3.4210

Conversions

Conversions Part 2

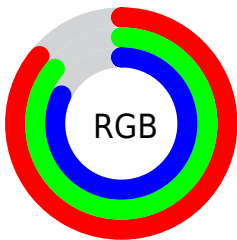
Format	Color
R_{YB}	208, 219, 208
Decimal	14408656
CIE _{Lab}	87.13, -1.93, 5.40
CIE _{LCh}	87, 5.730, 109.656
Y _{xy}	70.2772, 0.3201, 0.3412
Android (android.graphics.Color)	4292598736 (0xFFDBDBD0)
YUV	217.7460, -4.8048, 1.0998
Hunter-Lab	83.8315, -6.3197, 9.3425

Details

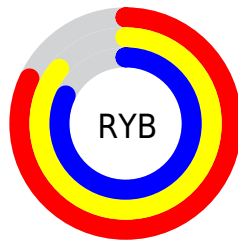
The Yxy color **70.2772, 0.3201, 0.3412** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.6373, 0.3052, 0.3165**, and the grayscale version is **69.9611, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.7765, 0.3215, 0.3435** is the 20% darker color. If you saturate the color by 10%, you get **69.2716, 0.3351, 0.3661**, and if you desaturate by 10%, it is **71.4377, 0.3056, 0.3172**.

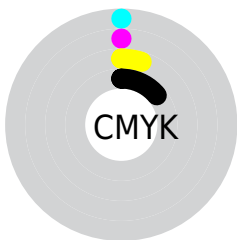
Distribution



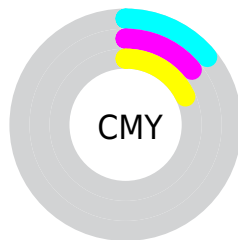
- Red (86%)
- Green (86%)
- Blue (82%)



- Red (82%)
- Yellow (86%)
- Blue (82%)



- Cyan (0%)
- Magenta (0%)
- Yellow (5%)
- Black (14%)



- Cyan (14%)
- Magenta (14%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.2772, 0.3201, 0.3412 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 70.2772, 0.3201, 0.3412 by changing the saturation by 10% instead.

■ 70.2772, 0.3201,
0.3412

■ 70.2772, 0.3201,
0.3412

461.5227, 0.3167,
0.3355

■ 51.7526, 0.3209,
0.3425

119.6040, 0.3189,
0.3392

■ 36.8079, 0.3219,
0.3442

151.1749, 0.3184,
0.3384

■ 25.0588, 0.3231,
0.3463

187.8634, 0.3180,
0.3378

■ 16.1208, 0.3247,
0.3490

230.0538, 0.3177,
0.3372

■ 9.6097, 0.3270,
0.3528

278.1305, 0.3174,
0.3367

■ 5.1410, 0.3302,
0.3585

332.4780, 0.3171,

■ 2.3302, 0.3354,

0.3363

0.3675

393.4806, 0.3169,
0.3359

0.7896, 0.3561,
0.3997

0.0000, 0.0000,
0.0000

70.2772, 0.3201,
0.3412

70.2772, 0.3201,
0.3412

69.2716, 0.3351,
0.3661

71.4377, 0.3056,
0.3172

68.4058, 0.3504,
0.3912

72.7498, 0.2919,
0.2945

67.6763, 0.3652,
0.4158

72.9581, 0.2899,
0.2913

67.0761, 0.3792,
0.4389

72.9621, 0.2899,
0.2913

66.5977, 0.3917,
0.4596

72.9660, 0.2899,
0.2914

66.2327, 0.4022,
0.4769

72.9700, 0.2899,
0.2914

65.9715, 0.4103,
0.4902

72.9739, 0.2899,
0.2914

65.8033, 0.4157,
0.4991

72.9779, 0.2899,
0.2914

65.7146, 0.4186,
0.5038

72.9818, 0.2899,
0.2914

Harmonies

Analogous

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



70.2772, 0.3249, 0.3395



70.2772, 0.3201, 0.3412



70.2772, 0.3133, 0.3396

Triad

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



70.2772, 0.3201, 0.3412



70.2772, 0.2992, 0.3228



70.2772, 0.3189, 0.3231

Complementary

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



70.2772, 0.3201, 0.3412



63.6373, 0.3052, 0.3165

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.



70.2772, 0.3120, 0.3188



70.2772, 0.3201, 0.3412



70.2772, 0.3006, 0.3185

Square

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



70.2772, 0.3201, 0.3412



70.2772, 0.3013, 0.3289



70.2772, 0.3053, 0.3171



70.2772, 0.3243, 0.3290

Rectangle

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



70.2772, 0.3201, 0.3412



70.2772, 0.3087, 0.3368



70.2772, 0.3053, 0.3171



70.2772, 0.3167, 0.3214

Sweetspot

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



70.2802, 0.3201, 0.3412



99.6747, 0.3157, 0.3339



64.7352, 0.3209, 0.3288



21.3379, 0.3155, 0.3336



0.0000, 0.0000, 0.0000



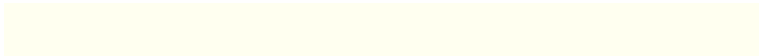
21.4041, 0.3127, 0.3290

Same Dimension

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



70.2802, 0.3201, 0.3412



99.0501, 0.3216, 0.3437



69.4700, 0.3162, 0.3413



15.3273, 0.3224, 0.3451



38.9476, 0.4194, 0.5052



2.5235, 0.4194, 0.5052

Inverse Universe

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



63.6373, 0.3052, 0.3165



87.8396, 0.3035, 0.3138



64.4197, 0.3091, 0.3167



13.4397, 0.3027, 0.3124



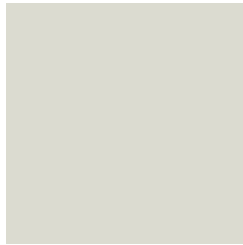
3.0339, 0.1500, 0.0600



0.1968, 0.1500, 0.0601

Previews

White Background



This preview shows how the Yxy color 70.2772, 0.3201, 0.3412 looks on a white background.

Color Contrast Check

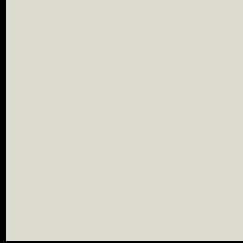
Large Text (above 18pt) WCAG AA × Fail

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 70.2772, 0.3201, 0.3412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

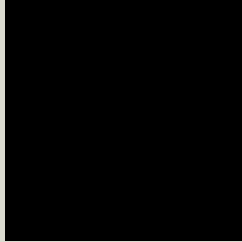
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

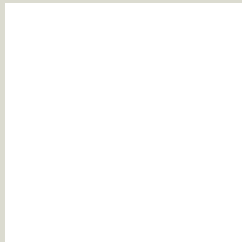
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.2772, 0.3201, 0.3412

Background



This preview shows how black text looks on a background with the Yxy color 70.2772, 0.3201, 0.3412.

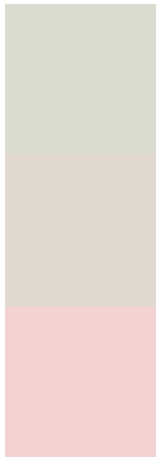


This preview shows how white text looks on a background with the Yxy color 70.2772, 0.3201, 0.3412.

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

70.2772, 0.3201, 0.3412

Protanopia

70.1383, 0.3254, 0.3400

Deuteranopia

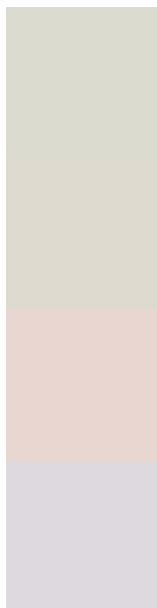
70.1189, 0.3368, 0.3301



Tritanopia

70.1150, 0.3071, 0.3107

Trichromacy



Original Color

70.2772, 0.3201, 0.3412

Protanomaly

70.3358, 0.3238, 0.3411

Deuteranomaly

70.1890, 0.3311, 0.3344

Tritanomaly

69.9690, 0.3124, 0.3214

Monochromacy



Original Color

70.2772, 0.3201, 0.3412

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

69.9033, 0.3154, 0.3334

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.2772, 0.3201, 0.3412 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, 219, 208)` looks like.

```
.text, #text, p{  
    color:rgb(219, 219, 208)  
}
```

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, 219, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 219, 208) }
```

Border

The CSS property to change the border of an element to Yxy 70.2772, 0.3201, 0.3412 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, 219, 208) }
```

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

```
.border{ border-color:rgb(219, 219, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 219, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(219, 219, 208); -webkit-box-shadow:4px 4px 4px 4px rgb(219, 219, 208); box-shadow:4px 4px 4px 4px rgb(219, 219, 208) }
```


Background

The CSS property to change the background color of an element to $Yxy\ 70.2772, 0.3201, 0.3412$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 219, 208) }
```

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

```
.background{ background-color: rgb(219,  
219, 208) }
```

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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