

Converting Colors

$Y_{xy}(70.7885, 0.3246, 0.3524)$

Have a look what the booklet for
Yxy(70.7885, 0.3246, 0.3524)
contains.

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Color

Yxy(70.7885, 0.3246, 0.3524)

Conversions

Conversions Part 1

Format	Color
Hex	DADDC8
RGB	218, 221, 200
RGB Percent	85%, 87%, 78%
CMY	0.1450, 0.1334, 0.2156
CMYK	0.01, 0.00, 0.09, 0.13
HSL	68°, 24%, 83%
HSV	68°, 9%, 87%
XYZ	65.2042, 70.7885, 64.8828
YIQ	217.7090, 4.9530, -7.1670

Conversions

Conversions Part 2

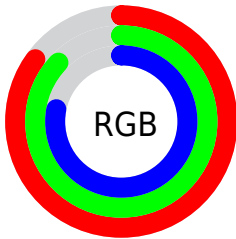
Format	Color
RYB	200, 221, 203
Decimal	14343624
CIELab	87.38, -4.64, 9.94
CIElCh	87, 10.972, 114.995
Yxy	70.7885, 0.3246, 0.3524
Android (android.graphics.Color)	4292533704 (0xFFDADDC8)
YUV	217.7090, -8.7305, 0.2552
Hunter-Lab	84.1359, -8.9028, 13.1727

Details

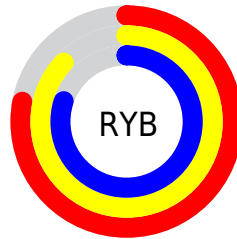
The Yxy color **70.7885, 0.3246, 0.3524** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **59.2329, 0.3002, 0.3048**, and the grayscale version is **69.9645, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.1343, 0.3274, 0.3583** is the 20% darker color. If you saturate the color by 10%, you get **69.3550, 0.3373, 0.3781**, and if you desaturate by 10%, it is **72.3866, 0.3121, 0.3278**.

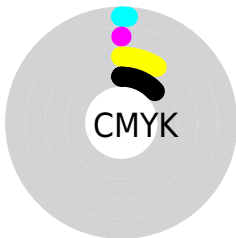
Distribution



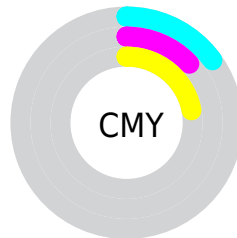
- Red (85%)
- Green (87%)
- Blue (78%)



- Red (78%)
- Yellow (87%)
- Blue (80%)



- Cyan (1%)
- Magenta (0%)
- Yellow (9%)
- Black (13%)



- Cyan (15%)
- Magenta (13%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.7885, 0.3246, 0.3524 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 70.7885, 0.3246, 0.3524 by changing the saturation by 10% instead.

■ 70.7885, 0.3246,
0.3524

■ 70.7885, 0.3246,
0.3524

463.3137, 0.3191,
0.3414

■ 52.1696, 0.3258,
0.3550

120.3325, 0.3227,
0.3486

■ 37.1403, 0.3274,
0.3581

152.0265, 0.3220,
0.3471

■ 25.3161, 0.3293,
0.3622

188.8475, 0.3213,
0.3458

■ 16.3127, 0.3319,
0.3676

231.1801, 0.3208,
0.3447

■ 9.7457, 0.3353,
0.3750

279.4087, 0.3203,
0.3437

■ 5.2307, 0.3402,
0.3859

333.9175, 0.3199,

■ 2.3832, 0.3477,

0.3429

0.4036

395.0911, 0.3195,
0.3421

0.8172, 0.3961,
0.4878

0.0000, 0.0000,
0.0000

70.7885, 0.3246,
0.3524

70.7885, 0.3246,
0.3524

69.3550, 0.3373,
0.3781

72.3866, 0.3121,
0.3278

68.0703, 0.3499,
0.4042

74.1462, 0.3001,
0.3046


66.9308, 0.3619,
0.4299

75.3251, 0.2955,
0.2940

65.9289, 0.3727,
0.4543


75.8384, 0.2976,
0.2942


 65.0566, 0.3818,
0.4763


 76.3609, 0.2997,
0.2945

 64.3047, 0.3887,
0.4949

 76.8927, 0.3018,
0.2947

 63.6629, 0.3931,
0.5092

 77.4338, 0.3039,
0.2949

 63.1190, 0.3949,
0.5190

 77.9844, 0.3060,
0.2951

 62.6527, 0.3944,
0.5248

 78.5444, 0.3082,
0.2953

Harmonies

Analogous

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



70.7885, 0.3348, 0.3500



70.7885, 0.3246, 0.3524



70.7885, 0.3114, 0.3482

Triad

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



70.7885, 0.3246, 0.3524



70.7885, 0.2871, 0.3152



70.7885, 0.3267, 0.3196

Complementary

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



70.7885, 0.3246, 0.3524



59.2329, 0.3002, 0.3048

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.



70.7885, 0.3136, 0.3108



70.7885, 0.3246, 0.3524



70.7885, 0.2909, 0.3081

Square

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



70.7885, 0.3246, 0.3524



70.7885, 0.2899, 0.3263



70.7885, 0.3006, 0.3066



70.7885, 0.3361, 0.3310

Rectangle

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



70.7885, 0.3246, 0.3524



70.7885, 0.3026, 0.3422



70.7885, 0.3006, 0.3066



70.7885, 0.3226, 0.3163

Sweetspot

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



70.7916, 0.3246, 0.3524



99.3127, 0.3165, 0.3363



62.1684, 0.3289, 0.3322



21.2184, 0.3175, 0.3383



0.0000, 0.0000, 0.0000



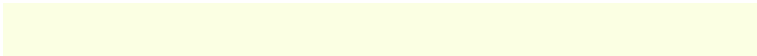
21.4041, 0.3127, 0.3290

Same Dimension

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



70.7916, 0.3246, 0.3524



97.5798, 0.3266, 0.3564



69.2492, 0.3171, 0.3529



15.1658, 0.3245, 0.3522



36.4222, 0.3948, 0.5248



2.3857, 0.3990, 0.5214

Inverse Universe

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



59.2329, 0.3002, 0.3048



79.1049, 0.2979, 0.3005



60.7305, 0.3079, 0.3054



12.7049, 0.3003, 0.3050



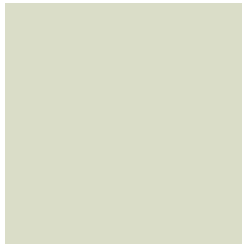
3.2328, 0.1558, 0.0632



0.2383, 0.1683, 0.0701

Previews

White Background



This preview shows how the Yxy color 70.7885, 0.3246, 0.3524 looks on a white background.

Color Contrast Check

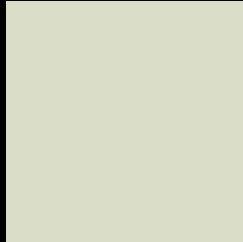
Large Text (above 18pt) WCAG AA × Fail

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 70.7885, 0.3246, 0.3524 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

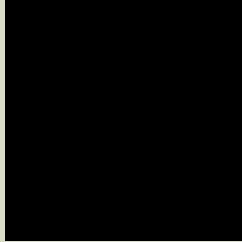
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

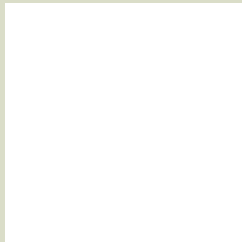
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.7885, 0.3246, 0.3524

Background



This preview shows how black text looks on a background with the Yxy color 70.7885, 0.3246, 0.3524.



This preview shows how white text looks on a background with the Yxy color 70.7885, 0.3246, 0.3524.

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

70.7885, 0.3246, 0.3524

Protanopia

70.7140, 0.3338, 0.3509

Deuteranopia

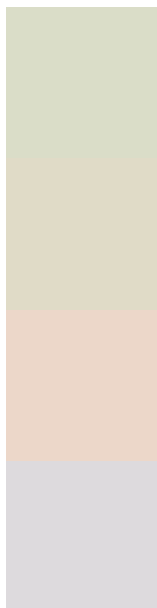
70.4456, 0.3458, 0.3385



Tritanopia

70.6829, 0.3064, 0.3108

Trichromacy



Original Color

70.7885, 0.3246, 0.3524

Protanomaly

70.6339, 0.3300, 0.3511

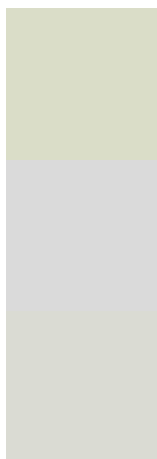
Deuteranomaly

70.6508, 0.3382, 0.3441

Tritanomaly

70.7354, 0.3129, 0.3257

Monochromacy



Original Color

70.7885, 0.3246, 0.3524

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

70.2716, 0.3173, 0.3379

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.7885, 0.3246, 0.3524 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(218, 221, 200)` looks like.

```
.text, #text, p{  
    color:rgb(218, 221, 200)  
}
```

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(218, 221, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 221, 200) }
```

Border

The CSS property to change the border of an element to Yxy 70.7885, 0.3246, 0.3524 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(218, 221, 200) }
```

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

```
.border{ border-color:rgb(218, 221, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 221, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 221, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 221, 200);  
box-shadow:4px 4px 4px 4px rgb(218, 221,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 70.7885, 0.3246, 0.3524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 221, 200) }
```

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

```
.background{ background-color: rgb(218,  
221, 200) }
```

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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