

Converting Colors

$Y_{xy}(70.6900, 0.3212, 0.3431)$

Have a look what the booklet for
Yxy(70.6900, 0.3212, 0.3431)
contains.

Yxy(70.9070, 0.3214, 0.3434)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(70.9070, 0.3214, 0.3434)

Conversions

Conversions Part 1

Format	Color
Hex	DCDCCF
RGB	220, 220, 207
RGB Percent	86%, 86%, 81%
CMY	0.1373, 0.1372, 0.1883
CMYK	0.00, 0.00, 0.06, 0.14
HSL	60°, 16%, 84%
HSV	60°, 6%, 86%
XYZ	66.3643, 70.9070, 69.2138
YIQ	218.5180, 4.1730, -4.0430

Conversions

Conversions Part 2

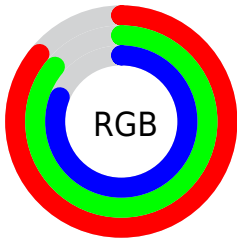
Format	Color
R_{YB}	207, 220, 207
Decimal	14474447
CIE Lab	87.44, -2.28, 6.38
CIE LCh	87, 6.776, 109.703
Yxy	70.9070, 0.3214, 0.3434
Android (android.graphics.Color)	4292664527 (0xFFDCDCCF)
YUV	218.5180, -5.6784, 1.2997
Hunter-Lab	84.2063, -6.6823, 10.2107

Details

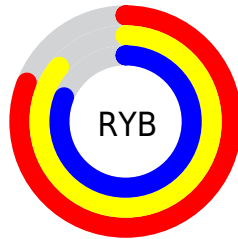
The Yxy color **70.9070, 0.3214, 0.3434** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.0593, 0.3038, 0.3142**, and the grayscale version is **70.5243, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.2095, 0.3232, 0.3464** is the 20% darker color. If you saturate the color by 10%, you get **69.8980, 0.3364, 0.3683**, and if you desaturate by 10%, it is **72.0721, 0.3069, 0.3193**.

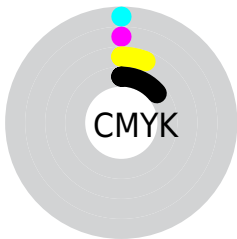
Distribution



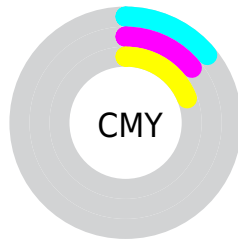
- Red (86%)
- Green (86%)
- Blue (81%)



- Red (81%)
- Yellow (86%)
- Blue (81%)



- Cyan (0%)
- Magenta (0%)
- Yellow (6%)
- Black (14%)



- Cyan (14%)
- Magenta (14%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.9070, 0.3214, 0.3434 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 70.9070, 0.3214, 0.3434 by changing the saturation by 10% instead.

■ 70.9070, 0.3214,
0.3434

■ 70.9070, 0.3214,
0.3434

463.7283, 0.3174,
0.3367

■ 52.2663, 0.3223,
0.3450

120.5013, 0.3200,
0.3411

■ 37.2174, 0.3235,
0.3469

152.2237, 0.3195,
0.3401

■ 25.3758, 0.3249,
0.3494

189.0754, 0.3190,
0.3394

■ 16.3573, 0.3268,
0.3526

231.4409, 0.3186,
0.3387

■ 9.7773, 0.3294,
0.3571

279.7046, 0.3182,
0.3381

■ 5.2516, 0.3332,
0.3637

334.2507, 0.3179,

■ 2.3956, 0.3391,

0.3376

0.3743

395.4638, 0.3176,
0.3371

0.8236, 0.3633,
0.4115

0.0000, 0.0000,
0.0000

70.9070, 0.3214,
0.3434

70.9070, 0.3214,
0.3434

69.8980, 0.3364,
0.3683

72.0721, 0.3069,
0.3193

69.0298, 0.3516,
0.3935


73.3898, 0.2931,
0.2965

68.2988, 0.3664,
0.4180

73.6550, 0.2907,
0.2925

67.6978, 0.3802,
0.4410

73.6648, 0.2908,
0.2925

 67.2192, 0.3925,
0.4615


 73.6746, 0.2908,
0.2925

 66.8544, 0.4027,
0.4785


 73.6845, 0.2908,
0.2925


 66.5937, 0.4104,
0.4915

 73.6943, 0.2909,
0.2925

 66.4259, 0.4156,
0.5001

 73.7042, 0.2909,
0.2925

 66.3369, 0.4182,
0.5045

 73.7140, 0.2910,
0.2925

Harmonies

Analogous

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



70.9070, 0.3271, 0.3414



70.9070, 0.3214, 0.3434



70.9070, 0.3134, 0.3415

Triad

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



70.9070, 0.3214, 0.3434



70.9070, 0.2968, 0.3216



70.9070, 0.3201, 0.3221

Complementary

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



70.9070, 0.3214, 0.3434



63.0593, 0.3038, 0.3142

Split Complementary

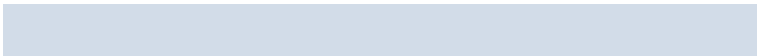
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.9070, 0.3119, 0.3170



70.9070, 0.3214, 0.3434



70.9070, 0.2985, 0.3166

Square

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



70.9070, 0.3214, 0.3434



70.9070, 0.2993, 0.3288



70.9070, 0.3040, 0.3150



70.9070, 0.3263, 0.3290

Rectangle

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



70.9070, 0.3214, 0.3434



70.9070, 0.3079, 0.3382



70.9070, 0.3040, 0.3150



70.9070, 0.3174, 0.3201

Sweetspot

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



70.9101, 0.3214, 0.3434



99.6731, 0.3157, 0.3339



64.3440, 0.3226, 0.3290



21.3376, 0.3155, 0.3336



0.0000, 0.0000, 0.0000



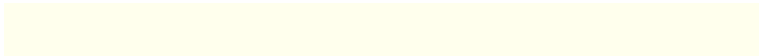
21.4041, 0.3127, 0.3290

Same Dimension

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



70.9101, 0.3214, 0.3434



98.8935, 0.3231, 0.3462



69.9196, 0.3167, 0.3436



15.3047, 0.3238, 0.3474



38.9141, 0.4188, 0.5056



2.5217, 0.4189, 0.5056

Inverse Universe

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



63.0593, 0.3038, 0.3142



85.9144, 0.3020, 0.3112



64.0111, 0.3085, 0.3144



13.1630, 0.3012, 0.3099



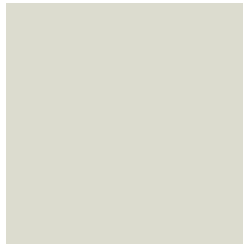
3.0358, 0.1501, 0.0601



0.1973, 0.1504, 0.0602

Previews

White Background



This preview shows how the Yxy color 70.9070, 0.3214, 0.3434 looks on a white background.

Color Contrast Check

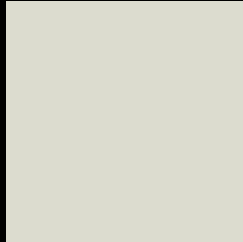
Large Text (above 18pt) WCAG AA × Fail

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 70.9070, 0.3214, 0.3434 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

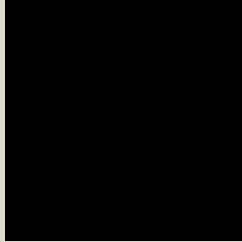
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

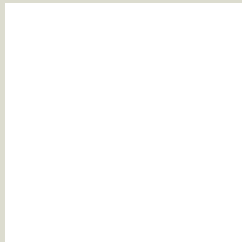
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.9070, 0.3214, 0.3434

Background



This preview shows how black text looks on a background with the Yxy color 70.9070, 0.3214, 0.3434.

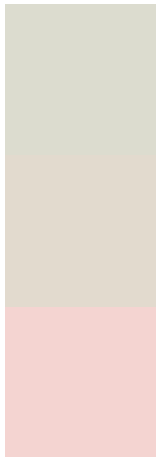


This preview shows how white text looks on a background with the Yxy color 70.9070, 0.3214, 0.3434.

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

70.9070, 0.3214, 0.3434

Protanopia

70.7678, 0.3267, 0.3421

Deuteranopia

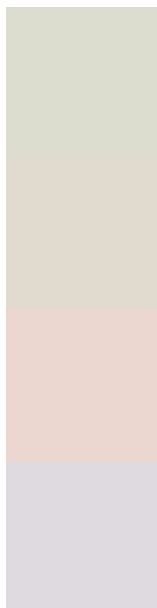
70.9235, 0.3390, 0.3322



Tritanopia

70.8422, 0.3071, 0.3108

Trichromacy



Original Color

70.9070, 0.3214, 0.3434

Protanomaly

70.9666, 0.3251, 0.3433

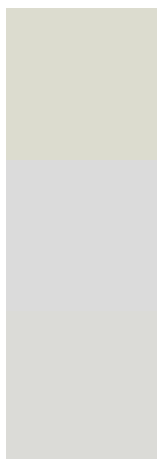
Deuteranomaly

70.8171, 0.3324, 0.3366

Tritanomaly

70.6955, 0.3124, 0.3214

Monochromacy



Original Color

70.9070, 0.3214, 0.3434

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

70.6294, 0.3154, 0.3334

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.9070, 0.3214, 0.3434 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(220, 220, 207)` looks like.

```
.text, #text, p{  
    color:rgb(220, 220, 207)  
}
```

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(220, 220, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 220, 207) }
```

Border

The CSS property to change the border of an element to Yxy 70.9070, 0.3214, 0.3434 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(220, 220, 207) }
```

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

```
.border{ border-color:rgb(220, 220, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 220, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 220, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 220, 207);  
box-shadow:4px 4px 4px 4px rgb(220, 220,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 70.9070, 0.3214, 0.3434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 220, 207) }
```

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

```
.background{ background-color: rgb(220,  
220, 207) }
```

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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