

Converting Colors

$Yxy(70.6353, 0.3156, 0.3199)$

Have a look what the booklet for
Yxy(70.6353, 0.3156, 0.3199)
contains.

Yxy(70.8244, 0.3153, 0.3204)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.8244, 0.3153, 0.3204)

Conversions

Conversions Part 1

Format	Color
Hex	E3D8E0
RGB	227, 216, 224
RGB Percent	89%, 85%, 88%
CMY	0.1097, 0.1530, 0.1215
CMYK	0.00, 0.05, 0.01, 0.11
HSL	316°, 16%, 87%
HSV	316°, 5%, 89%
XYZ	69.6970, 70.8244, 80.5285
YIQ	220.2010, 3.9880, 4.8200

Conversions

Conversions Part 2

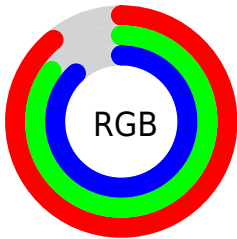
Format	Color
R _Y B	227, 216, 224
Decimal	14932192
CIE Lab	87.40, 5.19, -2.59
CIE LCh	87, 5.804, 333.475
Yxy	70.8244, 0.3153, 0.3204
Android (android.graphics.Color)	4293122272 (0xFFE3D8E0)
YUV	220.2010, 1.8729, 5.9627
Hunter-Lab	84.1572, 0.5544, 2.1766

Details

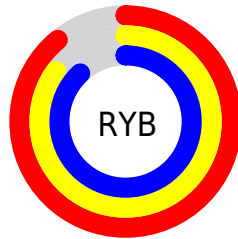
The Yxy color **70.8244, 0.3153, 0.3204** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **74.6672, 0.3102, 0.3378**, and the grayscale version is **71.7071, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.1250, 0.3161, 0.3178** is the 20% darker color. If you saturate the color by 10%, you get **59.6572, 0.3213, 0.3021**, and if you desaturate by 10%, it is **83.6171, 0.3102, 0.3378**.

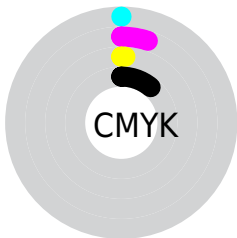
Distribution



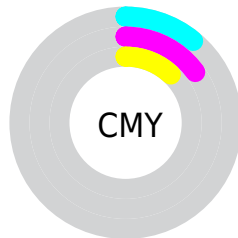
- Red (89%)
- Green (85%)
- Blue (88%)



- Red (89%)
- Yellow (85%)
- Blue (88%)



- Cyan (0%)
- Magenta (5%)
- Yellow (1%)
- Black (11%)



- Cyan (11%)
- Magenta (15%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.8244, 0.3153, 0.3204 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 70.8244, 0.3153, 0.3204 by changing the saturation by 10% instead.

70.8244, 0.3153,
0.3204

70.8244, 0.3153,
0.3204

463.4393, 0.3141,
0.3244

52.1989, 0.3156,
0.3195

120.3837, 0.3149,
0.3218

37.1636, 0.3159,
0.3184

152.0862, 0.3147,
0.3223

25.3342, 0.3163,
0.3169

188.9166, 0.3146,
0.3228

16.3262, 0.3169,
0.3151

231.2591, 0.3145,
0.3232

9.7553, 0.3176,
0.3125

279.4983, 0.3144,
0.3235

5.2370, 0.3187,
0.3089

334.0185, 0.3143,

2.3870, 0.3204,

0.3239

0.3031

395.2040, 0.3142,
0.3241

0.8192, 0.3235,
0.2922

0.0000, 0.0000,
0.0000

70.8244, 0.3153,
0.3204

70.8244, 0.3153,
0.3204

59.6572, 0.3213,
0.3021

83.6171, 0.3102,
0.3378

50.0406, 0.3283,
0.2832

93.9359, 0.3061,
0.3479

41.9077, 0.3364,
0.2643

94.3034, 0.3026,
0.3415

35.1830, 0.3455,
0.2462

94.6836, 0.2992,
0.3352

■ 29.7842, 0.3556,
0.2297

■ 95.0756, 0.2958,
0.3290

■ 25.6206, 0.3665,
0.2159

■ 22.5899, 0.3778,
0.2059

■ 20.5735, 0.3892,
0.2004

■ 19.4261, 0.4003,
0.1999

Harmonies

Analogous

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



70.8244, 0.3082, 0.3174



70.8244, 0.3153, 0.3204



70.8244, 0.3218, 0.3257

Triad

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



70.8244, 0.3153, 0.3204



70.8244, 0.3231, 0.3408



70.8244, 0.2998, 0.3259

Complementary

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



70.8244, 0.3153, 0.3204



74.6672, 0.3102, 0.3378

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.



70.8244, 0.3037, 0.3323



70.8244, 0.3153, 0.3204



70.8244, 0.3172, 0.3410

Square

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



70.8244, 0.3153, 0.3204



70.8244, 0.3263, 0.3374



70.8244, 0.3100, 0.3379



70.8244, 0.2993, 0.3204

Rectangle

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



70.8244, 0.3153, 0.3204



70.8244, 0.3249, 0.3298



70.8244, 0.3100, 0.3379



70.8244, 0.3007, 0.3280

Sweetspot

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



70.8275, 0.3153, 0.3204



98.3390, 0.3132, 0.3272



69.7071, 0.3075, 0.3170



21.0661, 0.3132, 0.3273



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.



70.8275, 0.3153, 0.3204



90.3575, 0.3160, 0.3183



70.5366, 0.3190, 0.3262



15.2668, 0.3163, 0.3172



11.1295, 0.4044, 0.2001



0.8378, 0.3894, 0.1919

Inverse Universe

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



70.8275, 0.3153, 0.3204



90.3575, 0.3160, 0.3183



74.9588, 0.3068, 0.3318



15.2668, 0.3163, 0.3172



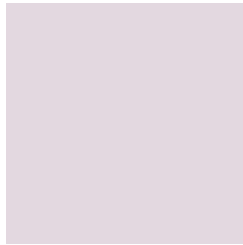
11.1295, 0.4044, 0.2001



0.8378, 0.3894, 0.1919

Previews

White Background



This preview shows how the Yxy color 70.8244, 0.3153, 0.3204 looks on a white background.

Color Contrast Check

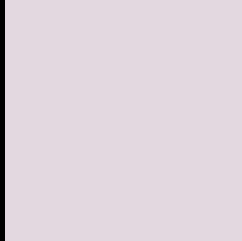
Large Text (above 18pt) WCAG AA × Fail

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 70.8244, 0.3153, 0.3204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

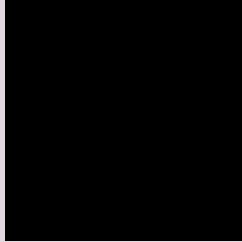
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

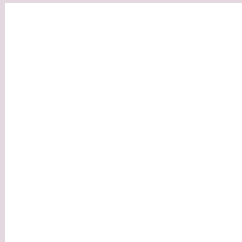
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.8244, 0.3153, 0.3204

Background



This preview shows how black text looks on a background with the Yxy color 70.8244, 0.3153, 0.3204.

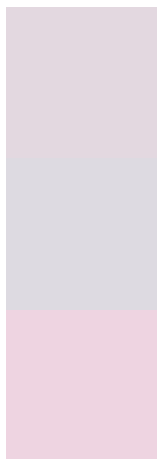


This preview shows how white text looks on a background with the Yxy color 70.8244, 0.3153, 0.3204.

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

70.8244, 0.3153, 0.3204

Protanopia

70.9512, 0.3102, 0.3214

Deuteranopia

70.7004, 0.3230, 0.3154



Tritanopia

70.9211, 0.3107, 0.3109

Trichromacy



Original Color

70.8244, 0.3153, 0.3204

Protanomaly

70.7499, 0.3117, 0.3204

Deuteranomaly

70.5172, 0.3199, 0.3163

Tritanomaly

70.7520, 0.3127, 0.3141

Monochromacy



Original Color

70.8244, 0.3153, 0.3204

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

71.5715, 0.3142, 0.3268

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.8244, 0.3153, 0.3204 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, 216, 224)` looks like.

```
.text, #text, p{  
    color:rgb(227, 216, 224)  
}
```

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, 216, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 216, 224) }
```

Border

The CSS property to change the border of an element to Yxy 70.8244, 0.3153, 0.3204 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, 216, 224) }
```

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

```
.border{ border-color:rgb(227, 216, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 216, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 216, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 216, 224);  
box-shadow:4px 4px 4px 4px rgb(227, 216,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 70.8244, 0.3153, 0.3204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 216, 224) }
```

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

```
.background{ background-color: rgb(227,  
216, 224) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor