

Converting Colors

$Y_{xy}(71.7587, 0.3126, 0.3187)$

Have a look what the booklet for
Yxy(71.7587, 0.3126, 0.3187)
contains.

Yxy(71.8576, 0.3125, 0.3194)	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(71.8576, 0.3125, 0.3194)

Conversions

Conversions Part 1

Format	Color
Hex	E2DAE3
RGB	226, 218, 227
RGB Percent	89%, 85%, 89%
CMY	0.1136, 0.1451, 0.1099
CMYK	0.00, 0.04, 0.00, 0.11
HSL	294°, 14%, 87%
HSV	294°, 4%, 89%
XYZ	70.3053, 71.8576, 82.8140
YIQ	221.4180, 1.8790, 4.4950

Conversions

Conversions Part 2

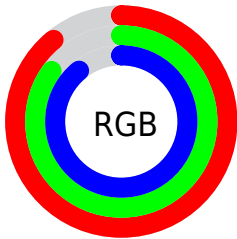
Format	Color
R _Y B	226, 218, 227
Decimal	14867171
CIE Lab	87.90, 4.34, -3.42
CIE LCh	88, 5.531, 321.751
Yxy	71.8576, 0.3125, 0.3194
Android (android.graphics.Color)	4293057251 (0xFFE2DAE3)
YUV	221.4180, 2.7519, 4.0184
Hunter-Lab	84.7689, -0.3019, 1.4155

Details

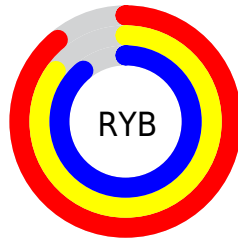
The Yxy color **71.8576, 0.3125, 0.3194** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **75.0322, 0.3129, 0.3387**, and the grayscale version is **72.5985, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.8309, 0.3124, 0.3165** is the 20% darker color. If you saturate the color by 10%, you get **60.5056, 0.3118, 0.2944**, and if you desaturate by 10%, it is **84.8329, 0.3130, 0.3433**.

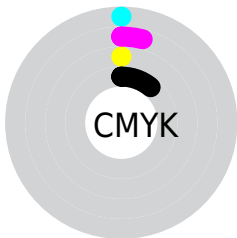
Distribution



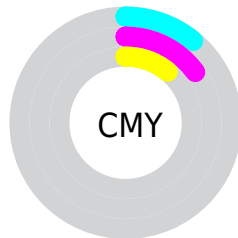
- Red (89%)
- Green (85%)
- Blue (89%)



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



- Cyan (0%)
- Magenta (4%)
- Yellow (0%)
- Black (11%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.8576, 0.3125, 0.3194 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 71.8576, 0.3125, 0.3194 by changing the saturation by 10% instead.

71.8576, 0.3125,
0.3194

71.8576, 0.3125,
0.3194

467.0458, 0.3126,
0.3238

53.0424, 0.3125,
0.3184

121.8541, 0.3125,
0.3209

37.8366, 0.3124,
0.3171

153.8041, 0.3126,
0.3215

25.8559, 0.3124,
0.3156

190.9011, 0.3126,
0.3220

16.7159, 0.3123,
0.3135

233.5296, 0.3126,
0.3225

10.0321, 0.3122,
0.3107

282.0739, 0.3126,
0.3229

5.4203, 0.3120,
0.3067

336.9185, 0.3126,

2.4959, 0.3117,

0.3232

0.3004

398.4476, 0.3126,
0.3236

0.8746, 0.3110,
0.2891

0.0000, 0.0000,
0.0000

71.8576, 0.3125,
0.3194

71.8576, 0.3125,
0.3194

60.5056, 0.3118,
0.2944

84.8329, 0.3130,
0.3433

50.7025, 0.3108,
0.2687

94.0121, 0.3137,
0.3575

42.3819, 0.3095,
0.2431

94.4065, 0.3152,
0.3574

35.4689, 0.3079,
0.2185

94.8062, 0.3167,
0.3573

■ 29.8822, 0.3060,
0.1959

■ 95.2113, 0.3182,
0.3571

■ 25.5321, 0.3038,
0.1764

■ 95.6217, 0.3197,
0.3570

■ 22.3178, 0.3014,
0.1606

■ 96.0374, 0.3212,
0.3569

■ 20.1226, 0.2988,
0.1493

■ 96.4585, 0.3227,
0.3568

■ 18.8044, 0.2962,
0.1423

■ 96.8851, 0.3242,
0.3566

Harmonies

Analogous

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



71.8576, 0.3060, 0.3176



71.8576, 0.3125, 0.3194



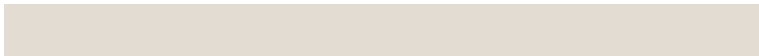
71.8576, 0.3191, 0.3237

Triad

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



71.8576, 0.3125, 0.3194



71.8576, 0.3242, 0.3393



71.8576, 0.3015, 0.3284

Complementary

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



71.8576, 0.3125, 0.3194



75.0322, 0.3129, 0.3387

Split Complementary

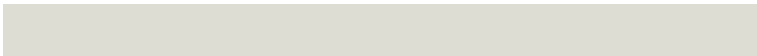
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.8576, 0.3063, 0.3344



71.8576, 0.3125, 0.3194



71.8576, 0.3194, 0.3407

Square

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



71.8576, 0.3125, 0.3194



71.8576, 0.3259, 0.3351



71.8576, 0.3128, 0.3389



71.8576, 0.2997, 0.3227

Rectangle

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



71.8576, 0.3125, 0.3194



71.8576, 0.3227, 0.3275



71.8576, 0.3128, 0.3389



71.8576, 0.3029, 0.3305

Sweetspot

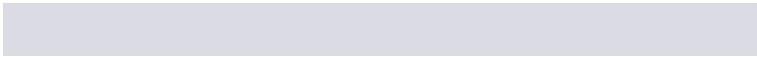
The Sweet Spot groups the original color and five complimentary colors.



71.8607, 0.3125, 0.3194



98.3336, 0.3127, 0.3266



71.1356, 0.3068, 0.3204



21.0650, 0.3127, 0.3267



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.



71.8607, 0.3125, 0.3194



91.8829, 0.3124, 0.3168



71.8238, 0.3155, 0.3231



15.5085, 0.3124, 0.3152



10.7037, 0.2950, 0.1398



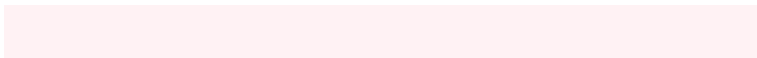
0.8130, 0.2990, 0.1421

Inverse Universe

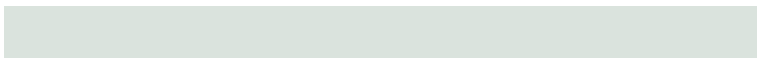
The Inverse Universe completely reimagines the original color for something new.



71.5782, 0.3186, 0.3280



91.4190, 0.3203, 0.3277



75.0701, 0.3101, 0.3350



15.4197, 0.3213, 0.3276



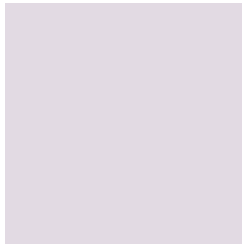
9.5697, 0.6275, 0.3231



0.7154, 0.5993, 0.3075

Previews

White Background



This preview shows how the Yxy color 71.8576, 0.3125, 0.3194 looks on a white background.

Color Contrast Check

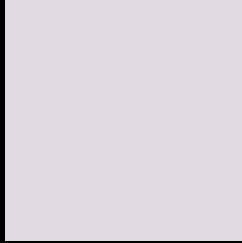
Large Text (above 18pt) WCAG AA × Fail

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 71.8576, 0.3125, 0.3194 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

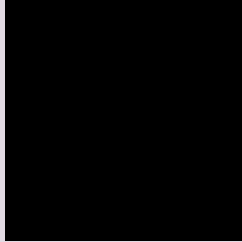
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

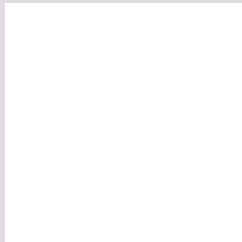
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.8576, 0.3125, 0.3194

Background



This preview shows how black text looks on a background with the Yxy color 71.8576, 0.3125, 0.3194.

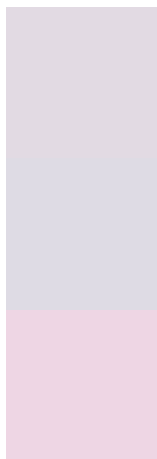


This preview shows how white text looks on a background with the Yxy color 71.8576, 0.3125, 0.3194.

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

71.8576, 0.3125, 0.3194

Protanopia

71.7941, 0.3089, 0.3193

Deuteranopia

71.8717, 0.3207, 0.3144



Tritanopia

71.8971, 0.3086, 0.3110

Trichromacy



Original Color

71.8576, 0.3125, 0.3194

Protanomaly

71.9524, 0.3096, 0.3193

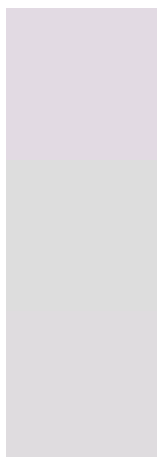
Deuteranomaly

71.6947, 0.3177, 0.3153

Tritanomaly

71.7261, 0.3106, 0.3141

Monochromacy



Original Color

71.8576, 0.3125, 0.3194

Achromatopsia

72.3055, 0.3127, 0.3290

Achromatomaly

72.2021, 0.3129, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.8576, 0.3125, 0.3194 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(226, 218, 227)` looks like.

```
.text, #text, p{  
    color:rgb(226, 218, 227)  
}
```

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(226, 218, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 218, 227) }
```

Border

The CSS property to change the border of an element to Yxy 71.8576, 0.3125, 0.3194 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(226, 218, 227) }
```

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

```
.border{ border-color:rgb(226, 218, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 218, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 218, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 218, 227); box-shadow:4px 4px 4px 4px rgb(226, 218, 227) }
```


Background

The CSS property to change the background color of an element to Yxy 71.8576, 0.3125, 0.3194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 218, 227) }
```

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

```
.background{ background-color: rgb(226,  
218, 227) }
```

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