

Converting Colors

$Yxy(70.3301, 0.3143, 0.3257)$

Have a look what the booklet for
Yxy(70.3301, 0.3143, 0.3257)
contains.

Yxy(70.3226, 0.3143, 0.3257)	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(70.3226, 0.3143, 0.3257)

Conversions

Conversions Part 1

Format	Color
Hex	DED9DC
RGB	222, 217, 220
RGB Percent	87%, 85%, 86%
CMY	0.1294, 0.1490, 0.1371
CMYK	0.00, 0.02, 0.01, 0.13
HSL	324°, 7%, 86%
HSV	324°, 2%, 87%
XYZ	67.8612, 70.3226, 77.7284
YIQ	218.8370, 2.0170, 1.9930

Conversions

Conversions Part 2

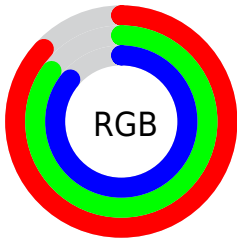
Format	Color
R _Y B	222, 217, 220
Decimal	14604764
CIE Lab	87.15, 2.25, -0.89
CIE LCh	87, 2.424, 338.390
Yxy	70.3226, 0.3143, 0.3257
Android (android.graphics.Color)	4292794844 (0xFFDED9DC)
YUV	218.8370, 0.5734, 2.7740
Hunter-Lab	83.8586, -2.3042, 3.7452

Details

The Yxy color `70.3226, 0.3143, 0.3257` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `72.1143, 0.3112, 0.3323`, and the grayscale version is `70.7184, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `36.7728, 0.3148, 0.3247` is the 20% darker color. If you saturate the color by 10%, you get `59.1874, 0.3221, 0.3106`, and if you desaturate by 10%, it is `83.0279, 0.3078, 0.3399`.

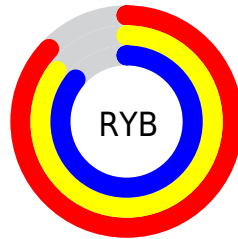
Distribution



Red (87%)

Green (85%)

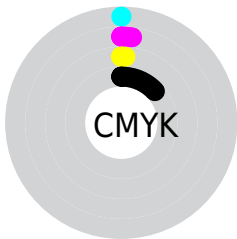
Blue (86%)



Red (87%)

Yellow (85%)

Blue (86%)

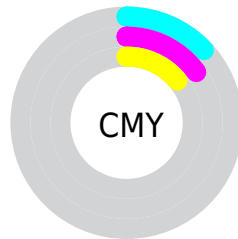


Cyan (0%)

Magenta (2%)

Yellow (1%)

Black (13%)



Cyan (13%)

Magenta (15%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.3226, 0.3143, 0.3257 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 70.3226, 0.3143, 0.3257 by changing the saturation by 10% instead.

■ 70.3226, 0.3143,
0.3257

■ 70.3226, 0.3143,
0.3257

461.6819, 0.3136,
0.3272

■ 51.7896, 0.3145,
0.3253

119.6687, 0.3140,
0.3262

■ 36.8374, 0.3147,
0.3249

151.2505, 0.3139,
0.3264

■ 25.0816, 0.3149,
0.3243

187.9508, 0.3139,
0.3266

■ 16.1379, 0.3153,
0.3236

230.1539, 0.3138,
0.3268

■ 9.6218, 0.3158,
0.3226

278.2441, 0.3137,
0.3269

■ 5.1489, 0.3165,
0.3211

332.6059, 0.3137,

■ 2.3349, 0.3176,

0.3270

393.6237, 0.3136,
0.3271

0.3188

0.7921, 0.3200,
0.3137

0.0000, 0.0000,
0.0000

70.3226, 0.3143,
0.3257

70.3226, 0.3143,
0.3257

59.1874, 0.3221,
0.3106

83.0279, 0.3078,
0.3399

49.5517, 0.3315,
0.2948

93.1996, 0.3024,
0.3468

41.3531, 0.3425,
0.2788

93.7265, 0.2976,
0.3377

34.5212, 0.3553,
0.2631

94.2716, 0.2929,
0.3289

■ 28.9799, 0.3699,
0.2485

■ 24.6451, 0.3862,
0.2362

■ 21.4232, 0.4038,
0.2273

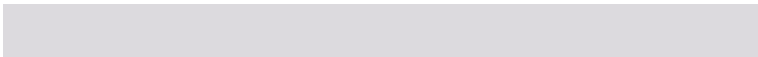
■ 19.2062, 0.4220,
0.2229

■ 17.8645, 0.4402,
0.2237

Harmonies

Analogous

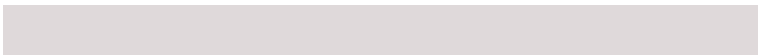
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.3226, 0.3113, 0.3242



70.3226, 0.3143, 0.3257



70.3226, 0.3169, 0.3281

Triad

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



70.3226, 0.3143, 0.3257



70.3226, 0.3167, 0.3340



70.3226, 0.3071, 0.3273

Complementary

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



70.3226, 0.3143, 0.3257



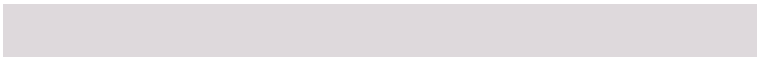
72.1143, 0.3112, 0.3323

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.



70.3226, 0.3086, 0.3300



70.3226, 0.3143, 0.3257



70.3226, 0.3141, 0.3339

Square

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



70.3226, 0.3143, 0.3257



70.3226, 0.3183, 0.3329



70.3226, 0.3111, 0.3324



70.3226, 0.3072, 0.3251

Rectangle

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



70.3226, 0.3143, 0.3257



70.3226, 0.3180, 0.3298



70.3226, 0.3111, 0.3324



70.3226, 0.3075, 0.3282

Sweetspot

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



70.3256, 0.3143, 0.3257



98.3191, 0.3134, 0.3275



69.9474, 0.3108, 0.3235



21.0620, 0.3134, 0.3276



0.0000, 0.0000, 0.0000



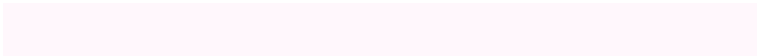
21.4041, 0.3127, 0.3290

Same Dimension

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



70.3256, 0.3143, 0.3257



95.0227, 0.3149, 0.3246



70.1968, 0.3159, 0.3284



15.2575, 0.3154, 0.3235



10.2742, 0.4514, 0.2260



0.7296, 0.4259, 0.2120

Inverse Universe

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



70.3256, 0.3143, 0.3257



95.0227, 0.3149, 0.3246



72.2443, 0.3096, 0.3296



15.2575, 0.3154, 0.3235



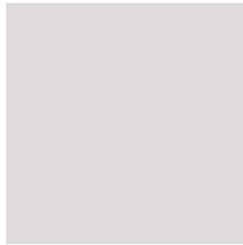
10.2742, 0.4514, 0.2260



0.7296, 0.4259, 0.2120

Previews

White Background



This preview shows how the Yxy color 70.3226, 0.3143, 0.3257 looks on a white background.

Color Contrast Check

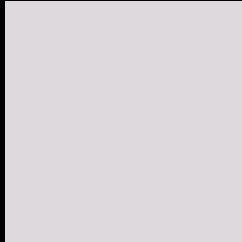
Large Text (above 18pt) WCAG AA × Fail

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 70.3226, 0.3143, 0.3257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

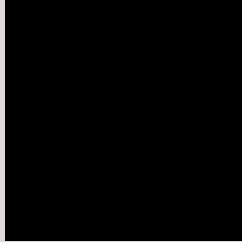
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

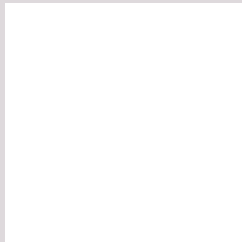
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.3226, 0.3143, 0.3257

Background



This preview shows how black text looks on a background with the Yxy color 70.3226, 0.3143, 0.3257.

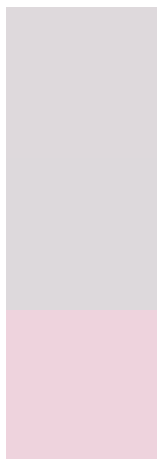


This preview shows how white text looks on a background with the Yxy color 70.3226, 0.3143, 0.3257.

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

70.3226, 0.3143, 0.3257

Protanopia

70.1652, 0.3136, 0.3257

Deuteranopia

69.9861, 0.3259, 0.3185



Tritanopia

70.2744, 0.3078, 0.3108

Trichromacy



Original Color

70.3226, 0.3143, 0.3257

Protanomaly

70.1652, 0.3136, 0.3257

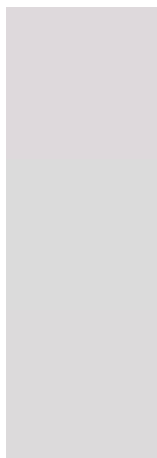
Deuteranomaly

69.9648, 0.3212, 0.3205

Tritanomaly

70.4011, 0.3097, 0.3161

Monochromacy



Original Color

70.3226, 0.3143, 0.3257

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

70.4729, 0.3135, 0.3279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.3226, 0.3143, 0.3257 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(222, 217, 220)` looks like.

```
.text, #text, p{  
    color:rgb(222, 217, 220)  
}
```

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(222, 217, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 217, 220) }
```

Border

The CSS property to change the border of an element to Yxy 70.3226, 0.3143, 0.3257 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(222, 217, 220) }
```

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

```
.border{ border-color:rgb(222, 217, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 217, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 217, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 217, 220);  
box-shadow:4px 4px 4px 4px rgb(222, 217,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 70.3226, 0.3143, 0.3257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 217, 220) }
```

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

```
.background{ background-color: rgb(222,  
217, 220) }
```

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