

Converting Colors

$Yxy(71.1519, 0.3064, 0.3183)$

Have a look what the booklet for
Yxy(71.1519, 0.3064, 0.3183)
contains.

Yxy(71.3802, 0.3062, 0.3182)	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(71.3802, 0.3062, 0.3182)

Conversions

Conversions Part 1

Format	Color
Hex	DBDBE5
RGB	219, 219, 229
RGB Percent	86%, 86%, 90%
CMY	0.1411, 0.1412, 0.1021
CMYK	0.04, 0.04, 0.00, 0.10
HSL	240°, 16%, 88%
HSV	240°, 4%, 90%
XYZ	68.6883, 71.3802, 84.2565
YIQ	220.1400, -3.2100, 3.1100

Conversions

Conversions Part 2

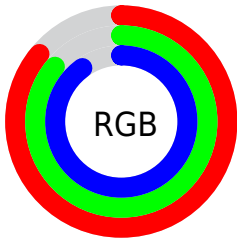
Format	Color
R _Y B	219, 219, 229
Decimal	14408677
CIE Lab	87.67, 1.84, -4.88
CIE LCh	88, 5.213, 290.720
Yxy	71.3802, 0.3062, 0.3182
Android (android.graphics.Color)	4292598757 (0xFFDBDBE5)
YUV	220.1400, 4.3680, -0.9998
Hunter-Lab	84.4868, -2.7303, 0.0124

Details

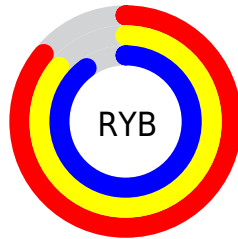
The Yxy color **71.3802, 0.3062, 0.3182** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **77.7795, 0.3191, 0.3396**, and the grayscale version is **71.6461, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.4994, 0.3042, 0.3149** is the 20% darker color. If you saturate the color by 10%, you get **56.9426, 0.2897, 0.2909**, and if you desaturate by 10%, it is **87.9533, 0.3206, 0.3421**.

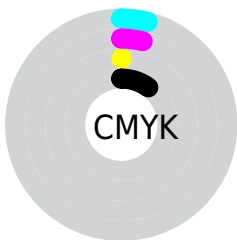
Distribution



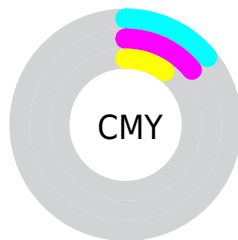
- Red (86%)
- Green (86%)
- Blue (90%)



- Red (86%)
- Yellow (86%)
- Blue (90%)



- Cyan (4%)
- Magenta (4%)
- Yellow (0%)
- Black (10%)



- Cyan (14%)
- Magenta (14%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.3802, 0.3062, 0.3182 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 71.3802, 0.3062, 0.3182 by changing the saturation by 10% instead.

■ 71.3802, 0.3062,
0.3182

■ 71.3802, 0.3062,
0.3182

465.3814, 0.3092,
0.3232

■ 52.6525, 0.3055,
0.3171

121.1749, 0.3073,
0.3199

■ 37.5255, 0.3046,
0.3156

153.0108, 0.3077,
0.3206

■ 25.6146, 0.3035,
0.3139

189.9848, 0.3080,
0.3212

■ 16.5355, 0.3021,
0.3115

232.4814, 0.3083,
0.3217

■ 9.9039, 0.3001,
0.3083

280.8850, 0.3086,
0.3221

■ 5.3353, 0.2972,
0.3037

335.5799, 0.3088,

■ 2.4453, 0.2926,

0.3225

0.2964

396.9506, 0.3090,
0.3229

0.8490, 0.2841,
0.2831

0.0000, 0.0000,
0.0000

71.3802, 0.3062,
0.3182

71.3802, 0.3062,
0.3182

56.9426, 0.2897,
0.2909

87.9533, 0.3206,
0.3421

44.5451, 0.2712,
0.2602

98.4350, 0.3280,
0.3542

34.0984, 0.2508,
0.2265

25.5033, 0.2294,
0.1910

■ 18.6519, 0.2079,
0.1555

■ 13.4248, 0.1879,
0.1225

■ 9.6881, 0.1711,
0.0948

■ 7.2864, 0.1590,
0.0748

■ 6.0299, 0.1522,
0.0635

Harmonies

Analogous

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



71.3802, 0.3019, 0.3194



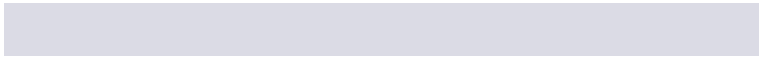
71.3802, 0.3062, 0.3182



71.3802, 0.3123, 0.3198

Triad

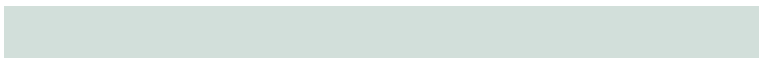
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.3802, 0.3062, 0.3182



71.3802, 0.3252, 0.3346



71.3802, 0.3069, 0.3343

Complementary

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



71.3802, 0.3062, 0.3182



77.7795, 0.3191, 0.3396

Split Complementary

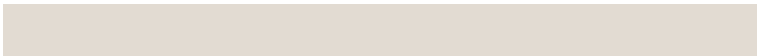
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.3802, 0.3131, 0.3385



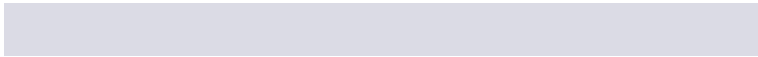
71.3802, 0.3062, 0.3182



71.3802, 0.3236, 0.3386

Square

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



71.3802, 0.3062, 0.3182



71.3802, 0.3233, 0.3292



71.3802, 0.3192, 0.3400



71.3802, 0.3023, 0.3287

Rectangle

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



71.3802, 0.3062, 0.3182



71.3802, 0.3166, 0.3223



71.3802, 0.3192, 0.3400



71.3802, 0.3088, 0.3359

Sweetspot

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



71.3832, 0.3062, 0.3182



97.9044, 0.3112, 0.3266



76.7324, 0.3059, 0.3290



20.9777, 0.3113, 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.



71.3832, 0.3062, 0.3182



89.7996, 0.3051, 0.3165



72.1638, 0.3097, 0.3183



15.1094, 0.3041, 0.3148



3.2370, 0.1501, 0.0600



0.2397, 0.1503, 0.0602

Inverse Universe

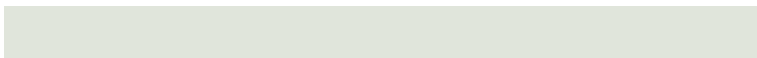
The Inverse Universe completely reimagines the original color for something new.



72.9697, 0.3132, 0.3185



92.1314, 0.3133, 0.3168



76.9759, 0.3156, 0.3397



15.5563, 0.3134, 0.3152



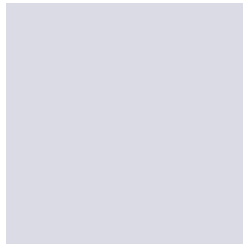
12.7430, 0.3215, 0.1545



0.9418, 0.3214, 0.1544

Previews

White Background



This preview shows how the Yxy color 71.3802, 0.3062, 0.3182 looks on a white background.

Color Contrast Check

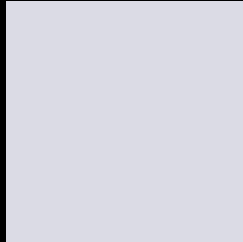
Large Text (above 18pt) WCAG AA × Fail

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 71.3802, 0.3062, 0.3182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

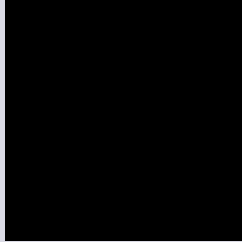
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

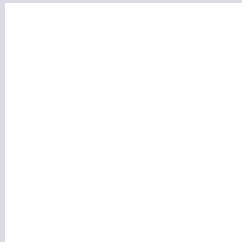
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.3802, 0.3062, 0.3182

Background



This preview shows how black text looks on a background with the Yxy color 71.3802, 0.3062, 0.3182.

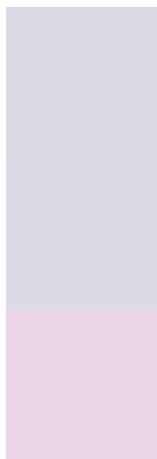


This preview shows how white text looks on a background with the Yxy color 71.3802, 0.3062, 0.3182.

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

71.3802, 0.3062, 0.3182

Protanopia

71.1721, 0.3076, 0.3171

Deuteranopia

71.1345, 0.3179, 0.3112



Tritanopia

71.3566, 0.3030, 0.3107

Trichromacy



Original Color

71.3802, 0.3062, 0.3182

Protanomaly

71.0156, 0.3069, 0.3171

Deuteranomaly

71.1370, 0.3135, 0.3131

Tritanomaly

71.2416, 0.3043, 0.3128

Monochromacy



Original Color

71.3802, 0.3062, 0.3182

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

71.7298, 0.3107, 0.3257

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.3802, 0.3062, 0.3182 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(219, 219, 229)` looks like.

```
.text, #text, p{  
    color:rgb(219, 219, 229)  
}
```

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(219, 219, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 219, 229) }
```

Border

The CSS property to change the border of an element to Yxy 71.3802, 0.3062, 0.3182 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(219, 219, 229) }
```

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

```
.border{ border-color:rgb(219, 219, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 219, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 219, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 219, 229);  
box-shadow:4px 4px 4px 4px rgb(219, 219,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 71.3802, 0.3062, 0.3182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 219, 229) }
```

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

```
.background{ background-color: rgb(219,  
219, 229) }
```

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