

Converting Colors

$Yxy(63.2609, 0.3079, 0.3101)$

Have a look what the booklet for
Yxy(63.2609, 0.3079, 0.3101)
contains.

Yxy(63.2327, 0.3076, 0.3100)	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(63.2327, 0.3076, 0.3100)

Conversions

Conversions Part 1

Format	Color
Hex	D6CDDE
RGB	214, 205, 222
RGB Percent	84%, 80%, 87%
CMY	0.1608, 0.1960, 0.1294
CMYK	0.04, 0.08, 0.00, 0.13
HSL	272°, 20%, 84%
HSV	272°, 8%, 87%
XYZ	62.7432, 63.2327, 78.0006
YIQ	209.6290, -0.0930, 7.1950

Conversions

Conversions Part 2

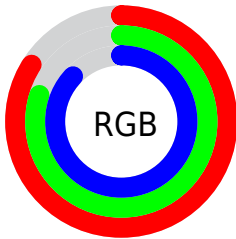
Format	Color
RYB	214, 205, 222
Decimal	14077406
CIELab	83.56, 6.20, -7.29
CIELCh	84, 9.571, 310.373
Yxy	63.2327, 0.3076, 0.3100
Android (android.graphics.Color)	4292267486 (0xFFD6CDDE)
YUV	209.6290, 6.0989, 3.8334
Hunter-Lab	79.5190, 1.6843, -2.4946

Details

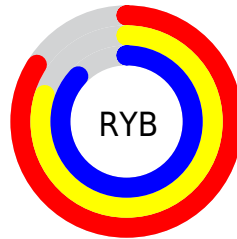
The Yxy color $63.2327, 0.3076, 0.3100$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $70.7973, 0.3175, 0.3481$, and the grayscale version is $64.1523, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $32.2942, 0.3059, 0.3055$ is the 20% darker color. If you saturate the color by 10%, you get $51.8317, 0.2999, 0.2834$, and if you desaturate by 10%, it is $76.2472, 0.3142, 0.3346$.

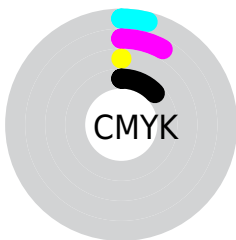
Distribution



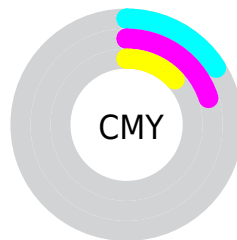
- Red (84%)
- Green (80%)
- Blue (87%)



- Red (84%)
- Yellow (80%)
- Blue (87%)



- Cyan (4%)
- Magenta (8%)
- Yellow (0%)
- Black (13%)



- Cyan (16%)
- Magenta (20%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.2327, 0.3076, 0.3100 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 63.2327, 0.3076, 0.3100 by changing the saturation by 10% instead.

■ 63.2327, 0.3076,
0.3100

■ 63.2327, 0.3076,
0.3100

436.4135, 0.3101,
0.3189

■ 46.0295, 0.3070,
0.3079

109.5052, 0.3085,
0.3131

■ 32.2691, 0.3063,
0.3054

139.3432, 0.3088,
0.3143

■ 21.5671, 0.3053,
0.3021

174.1616, 0.3091,
0.3154

■ 13.5392, 0.3040,
0.2977

214.3448, 0.3093,
0.3163

■ 7.8009, 0.3021,
0.2917

260.2772, 0.3096,
0.3170

■ 3.9678, 0.2993,
0.2829

312.3432, 0.3098,

■ 1.6556, 0.2945,

0.3177

0.2687

370.9272, 0.3099,
0.3184

0.3946, 0.2829,
0.2121

0.0000, 0.0000,
0.0000

63.2327, 0.3076,
0.3100

63.2327, 0.3076,
0.3100

51.8317, 0.2999,
0.2834

76.2472, 0.3142,
0.3346

41.9712, 0.2909,
0.2551

90.9283, 0.3197,
0.3570

33.5842, 0.2808,
0.2258

96.2774, 0.3259,
0.3618

26.5958, 0.2695,
0.1964

98.0536, 0.3322,
0.3611

■ 20.9243, 0.2574,
0.1682

■ 16.4791, 0.2447,
0.1426

■ 13.1576, 0.2322,
0.1210

■ 10.8399, 0.2202,
0.1046

■ 9.3620, 0.2093,
0.0935

Harmonies

Analogous

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



63.2327, 0.2969, 0.3086



63.2327, 0.3076, 0.3100



63.2327, 0.3199, 0.3162

Triad

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



63.2327, 0.3076, 0.3100



63.2327, 0.3354, 0.3450



63.2327, 0.2953, 0.3321

Complementary

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



63.2327, 0.3076, 0.3100



70.7973, 0.3175, 0.3481

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.



63.2327, 0.3054, 0.3424



63.2327, 0.3076, 0.3100



63.2327, 0.3285, 0.3498

Square

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



63.2327, 0.3076, 0.3100



63.2327, 0.3361, 0.3362



63.2327, 0.3175, 0.3489



63.2327, 0.2899, 0.3211

Rectangle

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



63.2327, 0.3076, 0.3100



63.2327, 0.3272, 0.3223



63.2327, 0.3175, 0.3489



63.2327, 0.2983, 0.3358

Sweetspot

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



63.2354, 0.3076, 0.3100



96.3357, 0.3114, 0.3241



65.9535, 0.3010, 0.3190



20.6582, 0.3115, 0.3244



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.



63.2354, 0.3076, 0.3100



84.2259, 0.3066, 0.3063



64.4552, 0.3138, 0.3107



13.5979, 0.3063, 0.3054



5.4577, 0.2083, 0.0921



0.4315, 0.2246, 0.1011

Inverse Universe

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



64.0019, 0.3200, 0.3201



85.4649, 0.3214, 0.3184



69.6423, 0.3116, 0.3480



13.8076, 0.3218, 0.3180



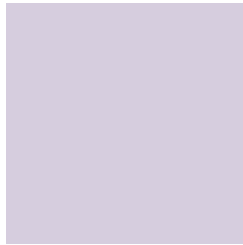
9.8486, 0.5071, 0.2567



0.7006, 0.4710, 0.2368

Previews

White Background



This preview shows how the Yxy color 63.2327, 0.3076, 0.3100 looks on a white background.

Color Contrast Check

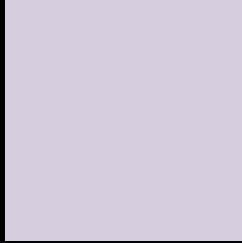
Large Text (above 18pt) WCAG AA × Fail

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 63.2327, 0.3076, 0.3100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

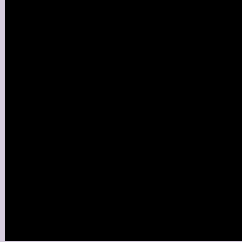
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

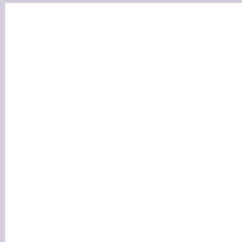
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.2327, 0.3076, 0.3100

Background



This preview shows how black text looks on a background with the Yxy color 63.2327, 0.3076, 0.3100.

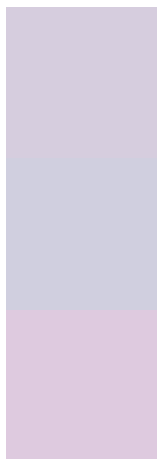


This preview shows how white text looks on a background with the Yxy color 63.2327, 0.3076, 0.3100.

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

63.2327, 0.3076, 0.3100

Protanopia

63.3633, 0.3025, 0.3109

Deuteranopia

63.0984, 0.3130, 0.3059



Tritanopia

63.1792, 0.3083, 0.3111

Trichromacy



Original Color

63.2327, 0.3076, 0.3100

Protanomaly

63.1720, 0.3039, 0.3098

Deuteranomaly

63.0997, 0.3107, 0.3069

Tritanomaly

63.1792, 0.3083, 0.3111

Monochromacy



Original Color

63.2327, 0.3076, 0.3100

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

63.8157, 0.3108, 0.3222

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.2327, 0.3076, 0.3100 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(214, 205, 222)` looks like.

```
.text, #text, p{  
    color:rgb(214, 205, 222)  
}
```

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(214, 205, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 205, 222) }
```

Border

The CSS property to change the border of an element to Yxy 63.2327, 0.3076, 0.3100 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(214, 205, 222) }
```

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

```
.border{ border-color:rgb(214, 205, 222) }
```

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

Here you see how a box with a 4 pixel rgb(214, 205, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 205, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 205, 222);  
box-shadow:4px 4px 4px 4px rgb(214, 205,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 63.2327, 0.3076, 0.3100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 205, 222) }
```

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

```
.background{ background-color: rgb(214,  
205, 222) }
```

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