

Converting Colors

$Y_{xy}(40.6921, 0.2859, 0.2448)$

Have a look what the booklet for
Yxy(40.6921, 0.2859, 0.2448)
contains.

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Color

Yxy(40.8665, 0.2861, 0.2453)

Conversions

Conversions Part 1

Format	Color
Hex	C09DE3
RGB	192, 157, 227
RGB Percent	75%, 62%, 89%
CMY	0.2470, 0.3843, 0.1097
CMYK	0.15, 0.31, 0.00, 0.11
HSL	270°, 56%, 75%
HSV	270°, 31%, 89%
XYZ	47.6637, 40.8665, 78.0678
YIQ	175.4450, -1.6100, 29.1900

Conversions

Conversions Part 2

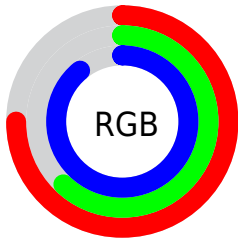
Format	Color
R_{YB}	192, 157, 227
Decimal	12623331
CIE _{Lab}	70.08, 26.20, -30.59
CIE _{LCh}	70, 40.272, 310.577
Yxy	40.8665, 0.2861, 0.2453
Android (android.graphics.Color)	4290813411 (0xFFC09DE3)
YUV	175.4450, 25.4166, 14.5187
Hunter-Lab	63.9269, 21.2169, -27.6564

Details

The Yxy color $40.8665, 0.2861, 0.2453$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $68.5965, 0.3329, 0.4129$, and the grayscale version is $42.9800, 0.3127, 0.3290$.

A 20% lighter version of the original color is $74.4467, 0.3104, 0.2865$, and $18.4467, 0.2783, 0.2244$ is the 20% darker color. If you saturate the color by 10%, you get $32.4613, 0.2749, 0.2155$, and if you desaturate by 10%, it is $50.8166, 0.2961, 0.2743$.

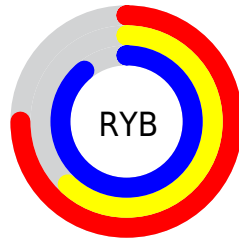
Distribution



Red (75%)

Green (62%)

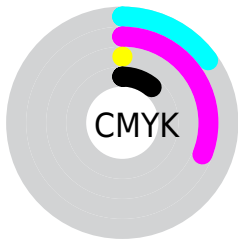
Blue (89%)



Red (75%)

Yellow (62%)

Blue (89%)

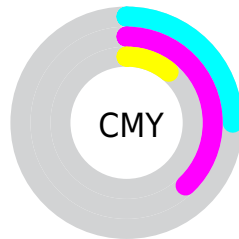


Cyan (15%)

Magenta (31%)

Yellow (0%)

Black (11%)



Cyan (25%)

Magenta (38%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.8665, 0.2861, 0.2453 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 40.8665, 0.2861, 0.2453 by changing the saturation by 10% instead.

40.8665, 0.2861,
0.2453

40.8665, 0.2861,
0.2453

349.7623, 0.3003,
0.2853

28.2148, 0.2824,
0.2359

76.4812, 0.2914,
0.2594

18.4876, 0.2775,
0.2242

100.2130, 0.2934,
0.2648

11.3006, 0.2709,
0.2093

128.4069, 0.2950,
0.2695

6.2694, 0.2615,
0.1897

161.4473, 0.2964,
0.2735

3.0096, 0.2473,
0.1631

199.7187, 0.2976,
0.2770

1.1367, 0.2242,
0.1258

243.6054, 0.2986,

0.0091, 0.1931,

0.2801

0.0027

293.4918, 0.2995,
0.2829

0.0000, 0.0000,
0.0000

40.8665, 0.2861,
0.2453

40.8665, 0.2861,
0.2453

32.4613, 0.2749,
0.2155

50.8166, 0.2961,
0.2743

25.5142, 0.2626,
0.1859

62.3822, 0.3047,
0.3016

19.9374, 0.2495,
0.1578

75.6354, 0.3121,
0.3270

15.6311, 0.2362,
0.1328

90.6425, 0.3184,
0.3501

12.4812, 0.2231,
0.1124

97.1659, 0.3251,
0.3565

■ 10.3521, 0.2110,
0.0974

■ 98.3275, 0.3291,
0.3562

■ 9.0906, 0.2010,
0.0881

Harmonies

Analogous

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



40.8665, 0.2389, 0.2369



40.8665, 0.2861, 0.2453



40.8665, 0.3456, 0.2714

Triad

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



40.8665, 0.2861, 0.2453



40.8665, 0.4219, 0.3991



40.8665, 0.2307, 0.3404

Complementary

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



40.8665, 0.2861, 0.2453



68.5965, 0.3329, 0.4129

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.



40.8665, 0.2742, 0.3988



40.8665, 0.2861, 0.2453



40.8665, 0.3850, 0.4303

Square

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



40.8665, 0.2861, 0.2453



40.8665, 0.4284, 0.3554



40.8665, 0.3306, 0.4333



40.8665, 0.2093, 0.2851

Rectangle

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



40.8665, 0.2861, 0.2453



40.8665, 0.3837, 0.2963



40.8665, 0.3306, 0.4333



40.8665, 0.2430, 0.3609

Sweetspot

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



40.8682, 0.2861, 0.2453



84.1091, 0.3061, 0.3063



50.9351, 0.2636, 0.2864



17.4898, 0.3050, 0.3025



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.



40.8682, 0.2861, 0.2453



45.9705, 0.2791, 0.2263



45.8072, 0.3153, 0.2523



14.2393, 0.3058, 0.3053



5.3697, 0.2025, 0.0889



0.4520, 0.2184, 0.0977

Inverse Universe

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



44.2556, 0.3478, 0.2890



51.1736, 0.3578, 0.2805



64.6732, 0.3092, 0.4193



14.4876, 0.3214, 0.3173



10.2501, 0.4954, 0.2502



0.7762, 0.4630, 0.2324

Previews

White Background



This preview shows how the Yxy color 40.8665, 0.2861, 0.2453 looks on a white background.

Color Contrast Check

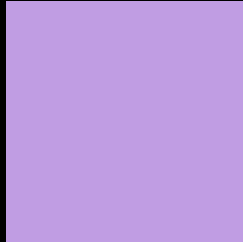
Large Text (above 18pt) WCAG AA × Fail

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 40.8665, 0.2861, 0.2453 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

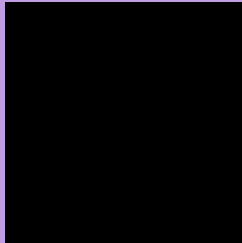
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.8665, 0.2861, 0.2453

Background



This preview shows how black text looks on a background with the Yxy color 40.8665, 0.2861, 0.2453.



This preview shows how white text looks on a background with the Yxy color 40.8665, 0.2861, 0.2453.

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

40.8665, 0.2861, 0.2453

Protanopia

41.0114, 0.2503, 0.2439

Deuteranopia

41.1831, 0.2626, 0.2570



Tritanopia

40.7175, 0.3181, 0.3118

Trichromacy



Original Color

40.8665, 0.2861, 0.2453

Protanomaly

40.9005, 0.2621, 0.2442

Deuteranomaly

41.0592, 0.2705, 0.2525

Tritanomaly

40.7447, 0.3065, 0.2867

Monochromacy



Original Color

40.8665, 0.2861, 0.2453

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

41.7241, 0.3028, 0.2952

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8665, 0.2861, 0.2453 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(192, 157, 227)` looks like.

```
.text, #text, p{  
    color:rgb(192, 157, 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(192, 157, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 157, 227) }
```

Border

The CSS property to change the border of an element to Yxy 40.8665, 0.2861, 0.2453 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(192, 157, 227) }
```

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

```
.border{ border-color:rgb(192, 157, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 157, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 157, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 157, 227);  
box-shadow:4px 4px 4px 4px rgb(192, 157,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8665, 0.2861, 0.2453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 157, 227) }
```

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

```
.background{ background-color: rgb(192,  
157, 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](#).

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