

Converting Colors

$Yxy(41.8754, 0.2660, 0.2483)$

Have a look what the booklet for
Yxy(41.8754, 0.2660, 0.2483)
contains.

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Color

Yxy(42.0097, 0.2660, 0.2485)

Conversions

Conversions Part 1

Format	Color
Hex	AAA7E8
RGB	170, 167, 232
RGB Percent	67%, 65%, 91%
CMY	0.3331, 0.3451, 0.0902
CMYK	0.27, 0.28, 0.00, 0.09
HSL	243°, 59%, 78%
HSV	243°, 28%, 91%
XYZ	44.9681, 42.0097, 82.0753
YIQ	175.3070, -19.0770, 20.8510

Conversions

Conversions Part 2

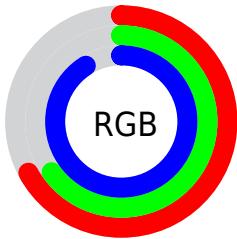
Format	Color
R _Y B	170, 167, 232
Decimal	11184104
CIE Lab	70.88, 15.13, -32.23
CIE LCh	71, 35.605, 295.153
Yxy	42.0097, 0.2660, 0.2485
Android (android.graphics.Color)	4289374184 (0xFFAAA7E8)
YUV	175.3070, 27.9496, -4.6542
Hunter-Lab	64.8149, 10.4160, -29.7087

Details

The Yxy color **42.0097, 0.2660, 0.2485** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **77.1449, 0.3527, 0.3995**, and the grayscale version is **42.9009, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6313, 0.2946, 0.2950**, and **19.1091, 0.2522, 0.2277** is the 20% darker color. If you saturate the color by 10%, you get **31.9997, 0.2459, 0.2143**, and if you desaturate by 10%, it is **53.9620, 0.2845, 0.2801**.

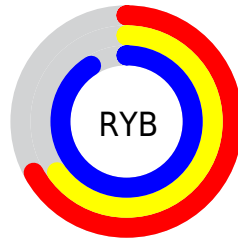
Distribution



Red (67%)

Green (65%)

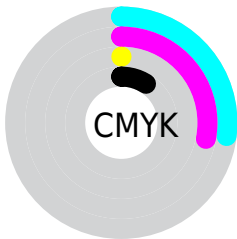
Blue (91%)



Red (67%)

Yellow (65%)

Blue (91%)

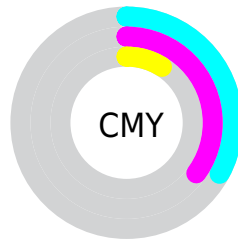


Cyan (27%)

Magenta (28%)

Yellow (0%)

Black (9%)



Cyan (33%)

Magenta (35%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.0097, 0.2660, 0.2485 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 42.0097, 0.2660, 0.2485 by changing the saturation by 10% instead.

■ 42.0097, 0.2660,
0.2485

■ 42.0097, 0.2660,
0.2485

■ 354.5231, 0.2897,
0.2874

■ 29.1089, 0.2601,
0.2393

■ 78.2143, 0.2746,
0.2623

■ 19.1632, 0.2525,
0.2278

■ 102.2869, 0.2779,
0.2675

■ 11.7883, 0.2425,
0.2132

■ 130.8522, 0.2806,
0.2720

■ 6.5997, 0.2288,
0.1938

■ 164.2946, 0.2830,
0.2759

■ 3.2130, 0.2090,
0.1674

■ 202.9985, 0.2850,
0.2793

■ 1.2439, 0.1789,
0.1302

■ 247.3483, 0.2868,

■ 0.0972, 0.1249,

0.2823

0.0263

297.7284, 0.2883,
0.2850

0.0000, 0.0000,
0.0000

42.0097, 0.2660,
0.2485

42.0097, 0.2660,
0.2485

31.9997, 0.2459,
0.2143

53.9620, 0.2845,
0.2801

23.8247, 0.2249,
0.1790

67.9462, 0.3010,
0.3086

17.3747, 0.2041,
0.1444

84.0526, 0.3154,
0.3337

12.5261, 0.1850,
0.1132

98.6057, 0.3262,
0.3513

9.1385, 0.1692,
0.0880

■ 7.0474, 0.1580,
0.0707

■ 6.0296, 0.1519,
0.0618

■ 5.8963, 0.1511,
0.0606

Harmonies

Analogous

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



42.0097, 0.2326, 0.2508



42.0097, 0.2660, 0.2485



42.0097, 0.3145, 0.2641

Triad

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



42.0097, 0.2660, 0.2485



42.0097, 0.4154, 0.3729



42.0097, 0.2583, 0.3663

Complementary

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



42.0097, 0.2660, 0.2485



77.1449, 0.3527, 0.3995

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.



42.0097, 0.3043, 0.4086



42.0097, 0.2660, 0.2485



42.0097, 0.3962, 0.4069

Square

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



42.0097, 0.2660, 0.2485



42.0097, 0.4047, 0.3324



42.0097, 0.3549, 0.4226



42.0097, 0.2282, 0.3146

Rectangle

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



42.0097, 0.2660, 0.2485



42.0097, 0.3498, 0.2827



42.0097, 0.3549, 0.4226



42.0097, 0.2723, 0.3826

Sweetspot

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



42.0114, 0.2660, 0.2485



84.1655, 0.3009, 0.3085



70.5362, 0.2718, 0.3263



17.4185, 0.2986, 0.3045



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.



42.0114, 0.2660, 0.2485



44.1498, 0.2538, 0.2277



45.9687, 0.2908, 0.2539



13.9193, 0.2987, 0.3047



3.2887, 0.1515, 0.0608



0.2545, 0.1557, 0.0632

Inverse Universe

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



50.4418, 0.3185, 0.2624



56.3362, 0.3199, 0.2479



72.4121, 0.3297, 0.4050



14.6029, 0.3145, 0.3069



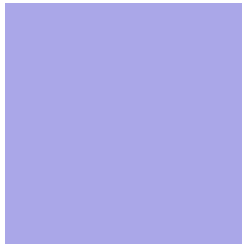
12.4303, 0.3330, 0.1608



0.9222, 0.3311, 0.1598

Previews

White Background



This preview shows how the Yxy color 42.0097, 0.2660, 0.2485 looks on a white background.

Color Contrast Check

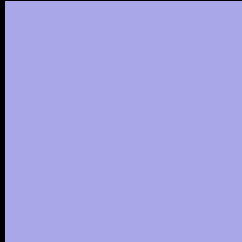
Large Text (above 18pt) WCAG AA × Fail

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 42.0097, 0.2660, 0.2485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

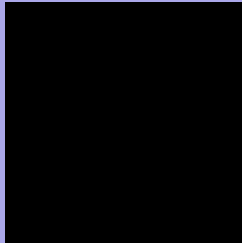
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.0097, 0.2660, 0.2485

Background



This preview shows how black text looks on a background with the Yxy color 42.0097, 0.2660, 0.2485.



This preview shows how white text looks on a background with the Yxy color 42.0097, 0.2660, 0.2485.

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

42.0097, 0.2660, 0.2485

Protanopia

42.0925, 0.2540, 0.2482

Deuteranopia

42.1644, 0.2584, 0.2529



Tritanopia

42.0154, 0.2907, 0.3098

Trichromacy



Original Color

42.0097, 0.2660, 0.2485

Protanomaly

42.1635, 0.2579, 0.2487

Deuteranomaly

42.2004, 0.2611, 0.2522

Tritanomaly

41.9122, 0.2811, 0.2854

Monochromacy



Original Color

42.0097, 0.2660, 0.2485

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

42.3748, 0.2943, 0.2973

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0097, 0.2660, 0.2485 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(170, 167, 232)` looks like.

```
.text, #text, p{  
    color:rgb(170, 167, 232)  
}
```

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(170, 167, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 167, 232) }
```

Border

The CSS property to change the border of an element to Yxy 42.0097, 0.2660, 0.2485 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(170, 167, 232) }
```

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

```
.border{ border-color:rgb(170, 167, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 167, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 167, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 167, 232);  
box-shadow:4px 4px 4px 4px rgb(170, 167,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 42.0097, 0.2660, 0.2485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 167, 232) }
```

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

```
.background{ background-color: rgb(170,  
167, 232) }
```

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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