

Converting Colors

$Y_{xy}(42.3185, 0.2681, 0.2541)$

Have a look what the booklet for
Yxy(42.3185, 0.2681, 0.2541)
contains.

Yxy(42.5234, 0.2688, 0.2553)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.5234, 0.2688, 0.2553)

Conversions

Conversions Part 1

Format	Color
Hex	AAA9E4
RGB	170, 169, 228
RGB Percent	67%, 66%, 89%
CMY	0.3333, 0.3373, 0.1058
CMYK	0.25, 0.26, 0.00, 0.11
HSL	241°, 52%, 78%
HSV	241°, 26%, 89%
XYZ	44.7720, 42.5234, 79.2671
YIQ	176.0250, -18.3430, 18.5610

Conversions

Conversions Part 2

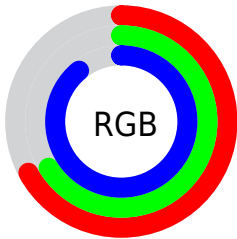
Format	Color
R _Y B	170, 169, 228
Decimal	11184612
CIE Lab	71.23, 13.05, -29.52
CIE LCh	71, 32.275, 293.842
Yxy	42.5234, 0.2688, 0.2553
Android (android.graphics.Color)	4289374692 (0xFFAAA9E4)
YUV	176.0250, 25.6237, -5.2839
Hunter-Lab	65.2100, 8.4374, -26.4240

Details

The Yxy color `42.5234, 0.2688, 0.2553` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `74.7025, 0.3510, 0.3937`, and the grayscale version is `43.3022, 0.3127, 0.3290`.

A 20% lighter version of the original color is `76.7001, 0.2946, 0.2971`, and `19.4830, 0.2569, 0.2367` is the 20% darker color. If you saturate the color by 10%, you get `32.4789, 0.2485, 0.2214`, and if you desaturate by 10%, it is `54.4767, 0.2874, 0.2864`.

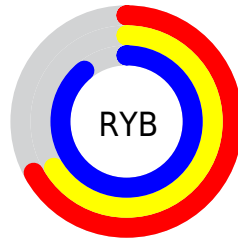
Distribution



Red (67%)

Green (66%)

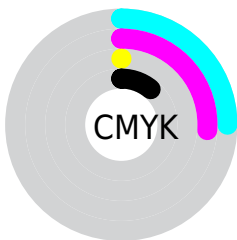
Blue (89%)



Red (67%)

Yellow (66%)

Blue (89%)

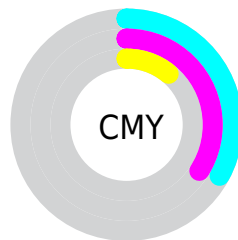


Cyan (25%)

Magenta (26%)

Yellow (0%)

Black (11%)



Cyan (33%)

Magenta (34%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.5234, 0.2688, 0.2553 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 42.5234, 0.2688, 0.2553 by changing the saturation by 10% instead.

■ 42.5234, 0.2688,
0.2553

■ 42.5234, 0.2688,
0.2553

■ 356.6481, 0.2910,
0.2910

■ 29.5113, 0.2632,
0.2468

■ 78.9912, 0.2769,
0.2680

■ 19.4680, 0.2561,
0.2361

■ 103.2156, 0.2799,
0.2729

■ 12.0089, 0.2467,
0.2224

■ 131.9464, 0.2825,
0.2770

■ 6.7498, 0.2337,
0.2041

■ 165.5678, 0.2847,
0.2806

■ 3.3061, 0.2150,
0.1789

■ 204.4643, 0.2866,
0.2837

■ 1.2935, 0.1860,
0.1427

■ 249.0203, 0.2883,

■ 0.1362, 0.1313,

0.2864

0.0399

299.6200, 0.2897,
0.2889

0.0000, 0.0000,
0.0000

42.5234, 0.2688,
0.2553

42.5234, 0.2688,
0.2553

32.4789, 0.2485,
0.2214

54.4767, 0.2874,
0.2864

24.2397, 0.2272,
0.1859

68.4251, 0.3039,
0.3142

17.7002, 0.2059,
0.1507

84.4556, 0.3184,
0.3386

12.7420, 0.1863,
0.1184

98.3830, 0.3285,
0.3552

9.2312, 0.1700,
0.0917

■ 7.0122, 0.1584,
0.0729

■ 5.8929, 0.1519,
0.0627

■ 5.6280, 0.1504,
0.0602

Harmonies

Analogous

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



42.5234, 0.2389, 0.2584



42.5234, 0.2688, 0.2553



42.5234, 0.3125, 0.2689

Triad

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



42.5234, 0.2688, 0.2553



42.5234, 0.4056, 0.3680



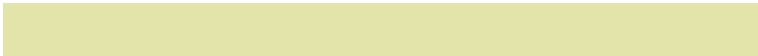
42.5234, 0.2652, 0.3646

Complementary

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



42.5234, 0.2688, 0.2553



74.7025, 0.3510, 0.3937

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.



42.5234, 0.3075, 0.4013



42.5234, 0.2688, 0.2553



42.5234, 0.3897, 0.3989

Square

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



42.5234, 0.2688, 0.2553



42.5234, 0.3946, 0.3309



42.5234, 0.3532, 0.4132



42.5234, 0.2368, 0.3184

Rectangle

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



42.5234, 0.2688, 0.2553



42.5234, 0.3443, 0.2856



42.5234, 0.3532, 0.4132



42.5234, 0.2782, 0.3789

Sweetspot

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



42.5251, 0.2688, 0.2553



84.0609, 0.3005, 0.3085



69.0008, 0.2748, 0.3277



17.3925, 0.2981, 0.3044



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.



42.5251, 0.2688, 0.2553



47.6325, 0.2582, 0.2376



46.1892, 0.2920, 0.2600



13.8988, 0.2983, 0.3047



3.2540, 0.1506, 0.0603



0.2446, 0.1521, 0.0611

Inverse Universe

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



50.4221, 0.3165, 0.2657



59.4250, 0.3174, 0.2528



70.3092, 0.3292, 0.3985



14.6108, 0.3141, 0.3062



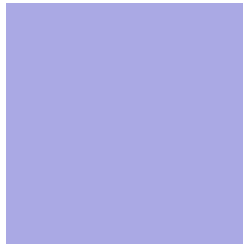
12.6379, 0.3252, 0.1565



0.9353, 0.3245, 0.1561

Previews

White Background



This preview shows how the Yxy color 42.5234, 0.2688, 0.2553 looks on a white background.

Color Contrast Check

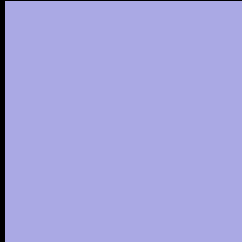
Large Text (above 18pt) WCAG AA × Fail

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 42.5234, 0.2688, 0.2553 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

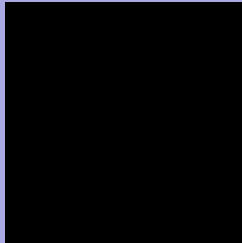
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.5234, 0.2688, 0.2553

Background



This preview shows how black text looks on a background with the Yxy color 42.5234, 0.2688, 0.2553.



This preview shows how white text looks on a background with the Yxy color 42.5234, 0.2688, 0.2553.

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

42.5234, 0.2688, 0.2553

Protanopia

42.4873, 0.2592, 0.2553

Deuteranopia

42.4086, 0.2632, 0.2568



Tritanopia

42.5549, 0.2908, 0.3099

Trichromacy



Original Color

42.5234, 0.2688, 0.2553

Protanomaly

42.4643, 0.2625, 0.2557

Deuteranomaly

42.3502, 0.2652, 0.2559

Tritanomaly

42.3538, 0.2827, 0.2881

Monochromacy



Original Color

42.5234, 0.2688, 0.2553

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

42.8259, 0.2960, 0.3000

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.5234, 0.2688, 0.2553 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, 169, 228)` looks like.

```
.text, #text, p{  
    color:rgb(170, 169, 228)  
}
```

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, 169, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 169, 228) }
```

Border

The CSS property to change the border of an element to Yxy 42.5234, 0.2688, 0.2553 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, 169, 228) }
```

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

```
.border{ border-color:rgb(170, 169, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 169, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 169, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 169, 228);  
box-shadow:4px 4px 4px 4px rgb(170, 169,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 42.5234, 0.2688, 0.2553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 169, 228) }
```

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

```
.background{ background-color: rgb(170,  
169, 228) }
```

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