

Converting Colors

$Y_{xy}(42.2658, 0.2725, 0.2850)$

Have a look what the booklet for
Yxy(42.2658, 0.2725, 0.2850)
contains.

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Color

Yxy(42.2819, 0.2724, 0.2849)

Conversions

Conversions Part 1

Format	Color
Hex	9CAF <code>D0</code>
RGB	156, 175, 208
RGB Percent	61%, 69%, 82%
CMY	0.3882, 0.3137, 0.1843
CMYK	0.25, 0.16, 0.00, 0.18
HSL	218°, 36%, 71%
HSV	218°, 25%, 82%
XYZ	40.4268, 42.2819, 65.7009
YIQ	173.0810, -21.9170, 6.2350

Conversions

Conversions Part 2

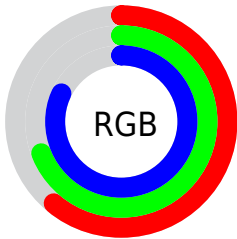
Format	Color
R _Y B	156, 170, 208
Decimal	10268624
CIE Lab	71.06, 0.74, -18.89
CIE LCh	71, 18.908, 272.251
Yxy	42.2819, 0.2724, 0.2849
Android (android.graphics.Color)	4288458704 (0xFF9CAFD0)
YUV	173.0810, 17.2151, -14.9800
Hunter-Lab	65.0245, -2.8167, -14.3896

Details

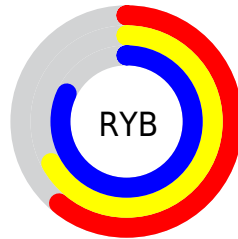
The Yxy color $42.2819, 0.2724, 0.2849$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $52.2096, 0.3553, 0.3695$, and the grayscale version is $41.7535, 0.3127, 0.3290$.

A 20% lighter version of the original color is $77.6625, 0.2853, 0.3026$, and $19.4421, 0.2608, 0.2723$ is the 20% darker color. If you saturate the color by 10%, you get $35.4923, 0.2550, 0.2639$, and if you desaturate by 10%, it is $49.9328, 0.2892, 0.3040$.

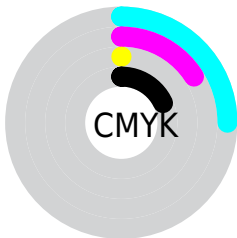
Distribution



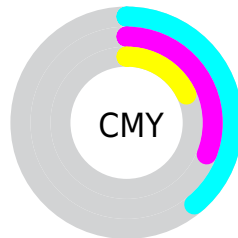
- Red (61%)
- Green (69%)
- Blue (82%)



- Red (61%)
- Yellow (67%)
- Blue (82%)



- Cyan (25%)
- Magenta (16%)
- Yellow (0%)
- Black (18%)



- Cyan (39%)
- Magenta (31%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.2819, 0.2724, 0.2849 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 42.2819, 0.2724, 0.2849 by changing the saturation by 10% instead.

■ 42.2819, 0.2724,
0.2849

■ 42.2819, 0.2724,
0.2849

355.6502, 0.2927,
0.3070

■ 29.3221, 0.2673,
0.2794

■ 78.6261, 0.2798,
0.2929

■ 19.3246, 0.2608,
0.2723

■ 102.7793, 0.2825,
0.2960

■ 11.9051, 0.2522,
0.2629

131.4323, 0.2849,
0.2985

■ 6.6791, 0.2402,
0.2499

164.9697, 0.2869,
0.3007

■ 3.2622, 0.2225,
0.2308

203.7758, 0.2886,
0.3026

■ 1.2701, 0.1942,
0.2005

248.2350, 0.2901,

■ 0.1179, 0.0730,

0.3043

0.0661

298.7316, 0.2915,
0.3057

0.0000, 0.0000,
0.0000

42.2819, 0.2724,
0.2849

42.2819, 0.2724,
0.2849

35.4923, 0.2550,
0.2639

49.9328, 0.2892,
0.3040

29.5263, 0.2374,
0.2412

58.4703, 0.3052,
0.3212

24.3510, 0.2202,
0.2172

67.9252, 0.3200,
0.3364

19.9289, 0.2040,
0.1927

78.3251, 0.3338,
0.3498

16.2189, 0.1897,
0.1684

88.7330, 0.3429,
0.3619

■ 13.1750, 0.1778,
0.1453

■ 96.8354, 0.3407,
0.3743

■ 10.7437, 0.1689,
0.1245

■ 97.3338, 0.3406,
0.3751

■ 9.7182, 0.1653,
0.1150

Harmonies

Analogous

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



42.2819, 0.2619, 0.2958



42.2819, 0.2724, 0.2849



42.2819, 0.2937, 0.2854

Triad

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



42.2819, 0.2724, 0.2849



42.2819, 0.3638, 0.3377



42.2819, 0.3028, 0.3653

Complementary

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



42.2819, 0.2724, 0.2849



52.2096, 0.3553, 0.3695

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.



42.2819, 0.3302, 0.3770



42.2819, 0.2724, 0.2849



42.2819, 0.3662, 0.3594

Square

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



42.2819, 0.2724, 0.2849



42.2819, 0.3470, 0.3150



42.2819, 0.3536, 0.3742



42.2819, 0.2789, 0.3426

Rectangle

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



42.2819, 0.2724, 0.2849



42.2819, 0.3116, 0.2916



42.2819, 0.3536, 0.3742



42.2819, 0.3119, 0.3708

Sweetspot

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



42.2836, 0.2724, 0.2849



89.7530, 0.3019, 0.3177



55.8501, 0.2880, 0.3540



19.0290, 0.3009, 0.3167



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.



42.2836, 0.2724, 0.2849



61.0993, 0.2631, 0.2739



36.1171, 0.2758, 0.2596



12.1146, 0.2982, 0.3138



6.2262, 0.1660, 0.1176



0.4976, 0.1764, 0.1550

Inverse Universe

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



40.2867, 0.3461, 0.3055



57.7778, 0.3557, 0.3002



59.9365, 0.3445, 0.3921



11.8786, 0.3234, 0.3205



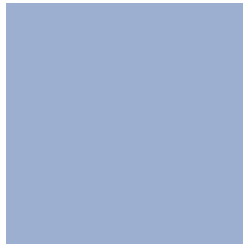
8.6998, 0.5501, 0.2804



0.5015, 0.4994, 0.2525

Previews

White Background



This preview shows how the Yxy color 42.2819, 0.2724, 0.2849 looks on a white background.

Color Contrast Check

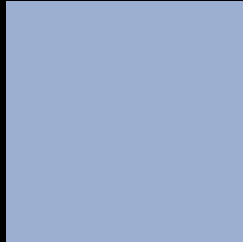
Large Text (above 18pt) WCAG AA × Fail

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 42.2819, 0.2724, 0.2849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

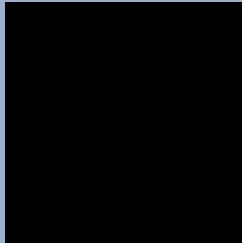
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.2819, 0.2724, 0.2849

Background



This preview shows how black text looks on a background with the Yxy color 42.2819, 0.2724, 0.2849.



This preview shows how white text looks on a background with the Yxy color 42.2819, 0.2724, 0.2849.

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

42.2819, 0.2724, 0.2849

Protanopia

42.1768, 0.2820, 0.2843

Deuteranopia

42.2371, 0.2845, 0.2787



Tritanopia

42.4189, 0.2815, 0.3096

Trichromacy



Original Color

42.2819, 0.2724, 0.2849

Protanomaly

42.1787, 0.2782, 0.2841

Deuteranomaly

42.3240, 0.2798, 0.2807

Tritanomaly

42.3915, 0.2780, 0.3003

Monochromacy



Original Color

42.2819, 0.2724, 0.2849

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

42.0328, 0.2971, 0.3127

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2819, 0.2724, 0.2849 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(156, 175, 208)` looks like.

```
.text, #text, p{  
    color:rgb(156, 175, 208)  
}
```

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(156, 175, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 175, 208) }
```

Border

The CSS property to change the border of an element to Yxy 42.2819, 0.2724, 0.2849 is called "border". The border property can be set on classes, ids or directly on the HTML element.

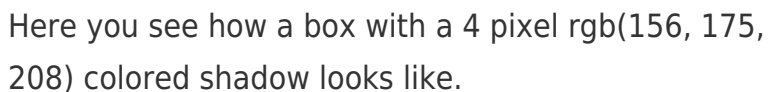
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(156, 175, 208) }
```

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

```
.border{ border-color:rgb(156, 175, 208) }
```

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



Here you see how a box with a 4 pixel `rgb(156, 175, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 175, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 175, 208);  
box-shadow:4px 4px 4px 4px rgb(156, 175,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2819, 0.2724, 0.2849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 175, 208) }
```

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

```
.background{ background-color: rgb(156,  
175, 208) }
```

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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