

Converting Colors

$Y_{xy}(42.2180, 0.2729, 0.2636)$

Have a look what the booklet for
Yxy(42.2180, 0.2729, 0.2636)
contains.

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Color

Yxy(42.0314, 0.2728, 0.2629)

Conversions

Conversions Part 1

Format	Color
Hex	A9A9DD
RGB	169, 169, 221
RGB Percent	66%, 66%, 87%
CMY	0.3370, 0.3373, 0.1333
CMYK	0.24, 0.24, 0.00, 0.13
HSL	240°, 43%, 76%
HSV	240°, 24%, 87%
XYZ	43.6142, 42.0314, 74.2304
YIQ	174.9280, -16.6920, 16.1720

Conversions

Conversions Part 2

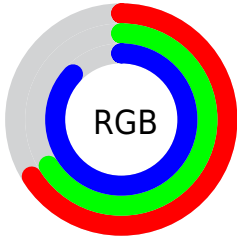
Format	Color
RYB	169, 169, 221
Decimal	11119069
CIELab	70.89, 11.12, -26.21
CIELCh	71, 28.470, 292.989
Yxy	42.0314, 0.2728, 0.2629
Android (android.graphics.Color)	4289309149 (0xFFA9A9DD)
YUV	174.9280, 22.7135, -5.1989
Hunter-Lab	64.8316, 6.6269, -22.5033

Details

The Yxy color **42.0314, 0.2728, 0.2629** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **69.9443, 0.3481, 0.3876**, and the grayscale version is **42.7235, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5389, 0.2940, 0.2970**, and **19.1888, 0.2610, 0.2449** is the 20% darker color. If you saturate the color by 10%, you get **32.2552, 0.2526, 0.2295**, and if you desaturate by 10%, it is **53.6125, 0.2912, 0.2933**.

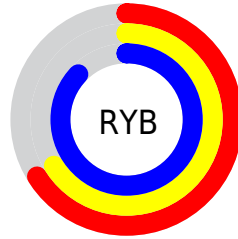
Distribution



Red (66%)

Green (66%)

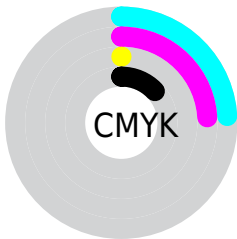
Blue (87%)



Red (66%)

Yellow (66%)

Blue (87%)

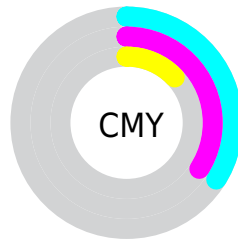


Cyan (24%)

Magenta (24%)

Yellow (0%)

Black (13%)



Cyan (34%)

Magenta (34%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.0314, 0.2728, 0.2629 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 42.0314, 0.2728, 0.2629 by changing the saturation by 10% instead.

■ 42.0314, 0.2728,
0.2629

■ 42.0314, 0.2728,
0.2629

■ 354.6131, 0.2931,
0.2952

■ 29.1259, 0.2677,
0.2551

■ 78.2471, 0.2802,
0.2745

■ 19.1761, 0.2611,
0.2453

■ 102.3262, 0.2830,
0.2789

■ 11.7976, 0.2524,
0.2325

■ 130.8985, 0.2853,
0.2826

■ 6.6060, 0.2403,
0.2153

■ 164.3484, 0.2873,
0.2858

■ 3.2169, 0.2226,
0.1912

■ 203.0605, 0.2891,
0.2886

■ 1.2460, 0.1947,
0.1556

■ 247.4190, 0.2906,

■ 0.0988, 0.1319,

0.2911

0.0357

297.8084, 0.2919,
0.2933

0.0000, 0.0000,
0.0000

42.0314, 0.2728,
0.2629

42.0314, 0.2728,
0.2629

32.2552, 0.2526,
0.2295

53.6125, 0.2912,
0.2933

24.1885, 0.2313,
0.1942

67.0777, 0.3074,
0.3203

17.7344, 0.2098,
0.1586

82.5074, 0.3217,
0.3438

12.7848, 0.1896,
0.1254

98.0012, 0.3327,
0.3621

9.2179, 0.1725,
0.0971

■ 6.8935, 0.1599,
0.0763

■ 5.6412, 0.1526,
0.0642

■ 5.2238, 0.1501,
0.0600

Harmonies

Analogous

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



42.0314, 0.2463, 0.2665



42.0314, 0.2728, 0.2629



42.0314, 0.3115, 0.2746

Triad

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



42.0314, 0.2728, 0.2629



42.0314, 0.3950, 0.3634



42.0314, 0.2716, 0.3615

Complementary

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



42.0314, 0.2728, 0.2629



69.9443, 0.3481, 0.3876

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.



42.0314, 0.3096, 0.3931



42.0314, 0.2728, 0.2629



42.0314, 0.3819, 0.3908

Square

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



42.0314, 0.2728, 0.2629



42.0314, 0.3845, 0.3302



42.0314, 0.3501, 0.4033



42.0314, 0.2455, 0.3211

Rectangle

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



42.0314, 0.2728, 0.2629



42.0314, 0.3397, 0.2895



42.0314, 0.3501, 0.4033



42.0314, 0.2833, 0.3738

Sweetspot

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



42.0331, 0.2728, 0.2629



85.9112, 0.3020, 0.3112



65.3748, 0.2781, 0.3289



18.1420, 0.3010, 0.3096



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.



42.0331, 0.2728, 0.2629



51.4919, 0.2636, 0.2476



45.1916, 0.2935, 0.2667



12.6183, 0.2981, 0.3048



3.0347, 0.1501, 0.0600



0.1970, 0.1503, 0.0601

Inverse Universe

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



48.9593, 0.3155, 0.2708



62.5867, 0.3161, 0.2592



66.1863, 0.3284, 0.3914



13.2744, 0.3138, 0.3060



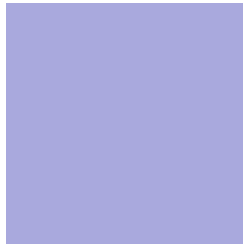
11.9504, 0.3214, 0.1544



0.7743, 0.3213, 0.1544

Previews

White Background



This preview shows how the Yxy color 42.0314, 0.2728, 0.2629 looks on a white background.

Color Contrast Check

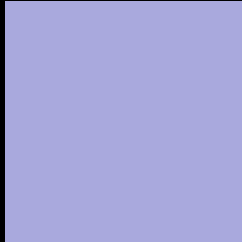
Large Text (above 18pt) WCAG AA × Fail

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 42.0314, 0.2728, 0.2629 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

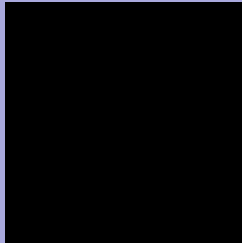
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.0314, 0.2728, 0.2629

Background



This preview shows how black text looks on a background with the Yxy color 42.0314, 0.2728, 0.2629.



This preview shows how white text looks on a background with the Yxy color 42.0314, 0.2728, 0.2629.

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

42.0314, 0.2728, 0.2629

Protanopia

41.9271, 0.2649, 0.2621

Deuteranopia

41.9692, 0.2698, 0.2637



Tritanopia

42.1206, 0.2915, 0.3099

Trichromacy



Original Color

42.0314, 0.2728, 0.2629

Protanomaly

41.8099, 0.2676, 0.2623

Deuteranomaly

42.0769, 0.2706, 0.2638

Tritanomaly

42.1035, 0.2841, 0.2917

Monochromacy



Original Color

42.0314, 0.2728, 0.2629

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

42.5771, 0.2975, 0.3038

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0314, 0.2728, 0.2629 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(169, 169, 221)` looks like.

```
.text, #text, p{  
    color:rgb(169, 169, 221)  
}
```

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(169, 169, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 169, 221) }
```

Border

The CSS property to change the border of an element to Yxy 42.0314, 0.2728, 0.2629 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(169, 169, 221) }
```

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

```
.border{ border-color:rgb(169, 169, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 169, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(169, 169, 221); -webkit-box-shadow:4px 4px 4px 4px rgb(169, 169, 221); box-shadow:4px 4px 4px 4px rgb(169, 169, 221) }
```


Background

The CSS property to change the background color of an element to Yxy 42.0314, 0.2728, 0.2629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 169, 221) }
```

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

```
.background{ background-color: rgb(169,  
169, 221) }
```

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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