

Converting Colors

$Y_{xy}(41.0800, 0.2729, 0.2737)$

Have a look what the booklet for
Yxy(41.0800, 0.2729, 0.2737)
contains.

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Color

Yxy(41.0800, 0.2729, 0.2737)

Conversions

Conversions Part 1

Format	Color
Hex	A1AAD4
RGB	161, 170, 212
RGB Percent	63%, 67%, 83%
CMY	0.3685, 0.3333, 0.1687
CMYK	0.24, 0.20, 0.00, 0.17
HSL	229°, 37%, 73%
HSV	229°, 24%, 83%
XYZ	40.9599, 41.0800, 68.0514
YIQ	172.0970, -18.8460, 11.1540

Conversions

Conversions Part 2

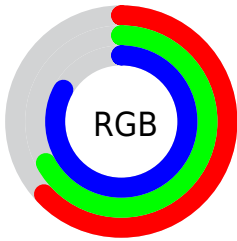
Format	Color
RYB	161, 169, 212
Decimal	10595028
CIELab	70.23, 5.98, -22.32
CIElCh	70, 23.108, 284.994
Yxy	41.0800, 0.2729, 0.2737
Android (android.graphics.Color)	4288785108 (0xFFA1AAD4)
YUV	172.0970, 19.6722, -9.7321
Hunter-Lab	64.0937, 1.9089, -18.0855

Details

The Yxy color **41.0800, 0.2729, 0.2737** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **59.2952, 0.3510, 0.3788**, and the grayscale version is **41.2153, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6694, 0.2882, 0.2975**, and **18.5793, 0.2610, 0.2587** is the 20% darker color. If you saturate the color by 10%, you get **32.9417, 0.2540, 0.2462**, and if you desaturate by 10%, it is **50.4654, 0.2905, 0.2986**.

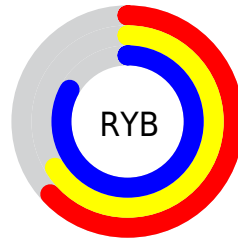
Distribution



Red (63%)

Green (67%)

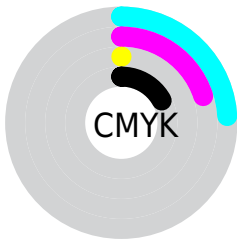
Blue (83%)



Red (63%)

Yellow (66%)

Blue (83%)

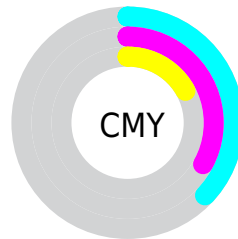


Cyan (24%)

Magenta (20%)

Yellow (0%)

Black (17%)



Cyan (37%)

Magenta (33%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.0800, 0.2729, 0.2737 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 41.0800, 0.2729, 0.2737 by changing the saturation by 10% instead.

■ 41.0800, 0.2729,
0.2737

■ 41.0800, 0.2729,
0.2737

350.6549, 0.2931,
0.3012

■ 28.3816, 0.2678,
0.2669

■ 76.8053, 0.2803,
0.2836

■ 18.6135, 0.2612,
0.2583

■ 100.6010, 0.2831,
0.2874

■ 11.3913, 0.2525,
0.2469

128.8646, 0.2854,
0.2906

■ 6.3307, 0.2403,
0.2314

161.9805, 0.2874,
0.2933

■ 3.0472, 0.2223,
0.2089

200.3331, 0.2891,
0.2957

■ 1.1564, 0.1934,
0.1743

244.3068, 0.2906,

■ 0.0257, 0.0883,

0.2977

0.0133

294.2859, 0.2919,
0.2996

0.0000, 0.0000,
0.0000

41.0800, 0.2729,
0.2737

41.0800, 0.2729,
0.2737

32.9417, 0.2540,
0.2462

50.4654, 0.2905,
0.2986

25.9927, 0.2344,
0.2167

61.1427, 0.3067,
0.3208

20.1779, 0.2148,
0.1861

73.1604, 0.3212,
0.3403

15.4357, 0.1962,
0.1557

86.5631, 0.3342,
0.3573

11.6987, 0.1798,
0.1273

97.5330, 0.3382,
0.3711

■ 8.8911, 0.1668,
0.1027

■ 6.9257, 0.1578,
0.0835

■ 6.0942, 0.1541,
0.0748

Harmonies

Analogous

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



41.0800, 0.2542, 0.2808



41.0800, 0.2729, 0.2737



41.0800, 0.3029, 0.2801

Triad

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



41.0800, 0.2729, 0.2737



41.0800, 0.3795, 0.3510



41.0800, 0.2868, 0.3634

Complementary

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



41.0800, 0.2729, 0.2737



59.2952, 0.3510, 0.3788

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.



41.0800, 0.3196, 0.3849



41.0800, 0.2729, 0.2737



41.0800, 0.3741, 0.3752

Square

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



41.0800, 0.2729, 0.2737



41.0800, 0.3658, 0.3231



41.0800, 0.3518, 0.3885



41.0800, 0.2618, 0.3317

Rectangle

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



41.0800, 0.2729, 0.2737



41.0800, 0.3259, 0.2909



41.0800, 0.3518, 0.3885



41.0800, 0.2973, 0.3722

Sweetspot

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



41.0817, 0.2729, 0.2737



87.7413, 0.3019, 0.3144



58.9583, 0.2831, 0.3408



18.5642, 0.3010, 0.3130



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.



41.0817, 0.2729, 0.2737



55.6590, 0.2631, 0.2595



39.6214, 0.2852, 0.2640



12.3584, 0.2982, 0.3092



3.8657, 0.1546, 0.0766



0.3425, 0.1628, 0.1062

Inverse Universe

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



42.3992, 0.3538, 0.3181



58.2257, 0.3660, 0.3156



61.3733, 0.3360, 0.3912



12.4561, 0.3264, 0.3249



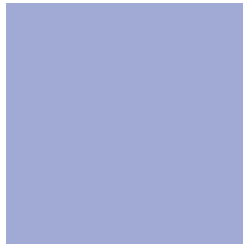
8.7351, 0.6124, 0.3147



0.5379, 0.5666, 0.2895

Previews

White Background



This preview shows how the Yxy color 41.0800, 0.2729, 0.2737 looks on a white background.

Color Contrast Check

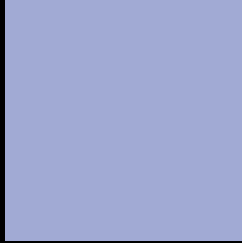
Large Text (above 18pt) WCAG AA × Fail

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 41.0800, 0.2729, 0.2737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

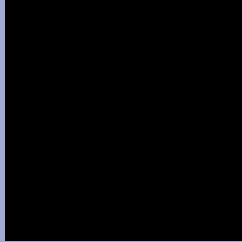
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.0800, 0.2729, 0.2737

Background



This preview shows how black text looks on a background with the Yxy color 41.0800, 0.2729, 0.2737.



This preview shows how white text looks on a background with the Yxy color 41.0800, 0.2729, 0.2737.

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

41.0800, 0.2729, 0.2737

Protanopia

41.1843, 0.2736, 0.2738

Deuteranopia

40.9742, 0.2774, 0.2717



Tritanopia

40.9709, 0.2865, 0.3095

Trichromacy



Original Color

41.0800, 0.2729, 0.2737

Protanomaly

41.1843, 0.2736, 0.2738

Deuteranomaly

41.1287, 0.2759, 0.2728

Tritanomaly

41.1875, 0.2814, 0.2963

Monochromacy



Original Color

41.0800, 0.2729, 0.2737

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.0385, 0.2971, 0.3073

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.0800, 0.2729, 0.2737 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(161, 170, 212)` looks like.

```
.text, #text, p{  
    color:rgb(161, 170, 212)  
}
```

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(161, 170, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 170, 212) }
```

Border

The CSS property to change the border of an element to Yxy 41.0800, 0.2729, 0.2737 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(161, 170, 212) }
```

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

```
.border{ border-color:rgb(161, 170, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 170, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 170, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 170, 212);  
box-shadow:4px 4px 4px 4px rgb(161, 170,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 41.0800, 0.2729, 0.2737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 170, 212) }
```

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

```
.background{ background-color: rgb(161,  
170, 212) }
```

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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