

Converting Colors

$Y_{xy}(39.9829, 0.2785, 0.2725)$

Have a look what the booklet for
Yxy(39.9829, 0.2785, 0.2725)
contains.

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Color

Yxy(39.9829, 0.2785, 0.2725)

Conversions

Conversions Part 1

Format	Color
Hex	A6A6D1
RGB	166, 166, 209
RGB Percent	65%, 65%, 82%
CMY	0.3492, 0.3490, 0.1804
CMYK	0.21, 0.21, 0.00, 0.18
HSL	240°, 32%, 74%
HSV	240°, 21%, 82%
XYZ	40.8633, 39.9829, 65.8801
YIQ	170.9020, -13.8030, 13.3730

Conversions

Conversions Part 2

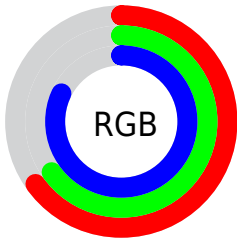
Format	Color
R _Y B	166, 166, 209
Decimal	10921681
CIE Lab	69.46, 9.02, -21.82
CIE LCh	69, 23.610, 292.461
Yxy	39.9829, 0.2785, 0.2725
Android (android.graphics.Color)	4289111761 (0xFFA6A6D1)
YUV	170.9020, 18.7823, -4.2991
Hunter-Lab	63.2320, 4.6983, -17.5105

Details

The Yxy color $39.9829, 0.2785, 0.2725$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $61.8748, 0.3435, 0.3799$, and the grayscale version is $40.5802, 0.3127, 0.3290$.

A 20% lighter version of the original color is $74.4625, 0.2920, 0.2937$, and $17.8784, 0.2682, 0.2570$ is the 20% darker color. If you saturate the color by 10%, you get $30.9239, 0.2589, 0.2401$, and if you desaturate by 10%, it is $50.6435, 0.2962, 0.3018$.

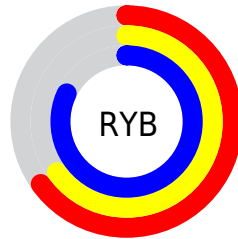
Distribution



Red (65%)

Green (65%)

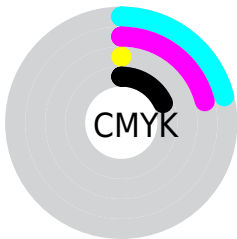
Blue (82%)



Red (65%)

Yellow (65%)

Blue (82%)

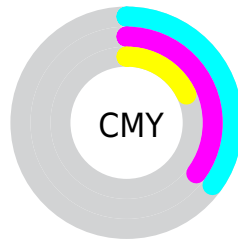


Cyan (21%)

Magenta (21%)

Yellow (0%)

Black (18%)



Cyan (35%)

Magenta (35%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.9829, 0.2785, 0.2725 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 39.9829, 0.2785, 0.2725 by changing the saturation by 10% instead.

■ 39.9829, 0.2785,
0.2725

■ 39.9829, 0.2785,
0.2725

■ 346.0515, 0.2961,
0.3006

■ 27.5252, 0.2740,
0.2656

■ 75.1375, 0.2850,
0.2827

■ 17.9681, 0.2682,
0.2567

■ 98.6031, 0.2874,
0.2865

■ 10.9271, 0.2604,
0.2451

■ 126.5069, 0.2894,
0.2897

■ 6.0178, 0.2494,
0.2292

■ 159.2332, 0.2911,
0.2925

■ 2.8559, 0.2328,
0.2062

■ 197.1665, 0.2926,
0.2949

■ 1.0570, 0.2056,
0.1707

■ 240.6910, 0.2939,

■ 0.0000, 0.0952,

0.2971

0.0000

290.1912, 0.2950,
0.2989

0.0000, 0.0000,
0.0000

39.9829, 0.2785,
0.2725

39.9829, 0.2785,
0.2725

30.9239, 0.2589,
0.2401

50.6435, 0.2962,
0.3018

23.3846, 0.2379,
0.2054

62.9726, 0.3119,
0.3276

17.2833, 0.2163,
0.1698

77.0392, 0.3255,
0.3501

12.5286, 0.1957,
0.1356

92.9072, 0.3372,
0.3694

9.0186, 0.1775,
0.1056

97.3831, 0.3400,
0.3741

■ 6.6371, 0.1634,
0.0822

■ 5.2458, 0.1544,
0.0673

■ 4.6092, 0.1500,
0.0601

Harmonies

Analogous

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



39.9829, 0.2559, 0.2762



39.9829, 0.2785, 0.2725



39.9829, 0.3113, 0.2823

Triad

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



39.9829, 0.2785, 0.2725



39.9829, 0.3821, 0.3584



39.9829, 0.2786, 0.3569

Complementary

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



39.9829, 0.2785, 0.2725



61.8748, 0.3435, 0.3799

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.



39.9829, 0.3111, 0.3827



39.9829, 0.2785, 0.2725



39.9829, 0.3716, 0.3813

Square

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



39.9829, 0.2785, 0.2725



39.9829, 0.3727, 0.3300



39.9829, 0.3453, 0.3913



39.9829, 0.2559, 0.3233

Rectangle

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



39.9829, 0.2785, 0.2725



39.9829, 0.3350, 0.2950



39.9829, 0.3453, 0.3913



39.9829, 0.2887, 0.3669

Sweetspot

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



39.9845, 0.2785, 0.2725



87.8487, 0.3035, 0.3139



58.2677, 0.2826, 0.3298



18.5329, 0.3025, 0.3121



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.



39.9845, 0.2785, 0.2725



55.7372, 0.2695, 0.2576



42.3952, 0.2958, 0.2752



11.4202, 0.2982, 0.3050



2.8433, 0.1500, 0.0601



0.1599, 0.1501, 0.0604

Inverse Universe

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



43.5658, 0.3535, 0.3291



62.4072, 0.3658, 0.3291



59.0651, 0.3270, 0.3827



11.8085, 0.3290, 0.3290



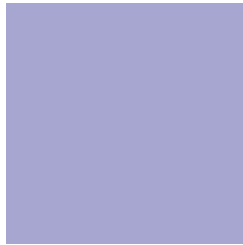
8.3583, 0.6399, 0.3299



0.4674, 0.6394, 0.3296

Previews

White Background



This preview shows how the Yxy color 39.9829, 0.2785, 0.2725 looks on a white background.

Color Contrast Check

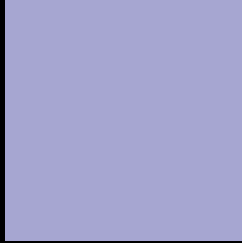
Large Text (above 18pt) WCAG AA × Fail

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 39.9829, 0.2785, 0.2725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

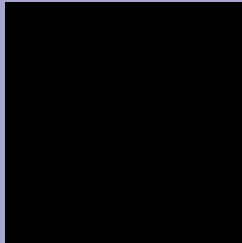
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.9829, 0.2785, 0.2725

Background



This preview shows how black text looks on a background with the Yxy color 39.9829, 0.2785, 0.2725.



This preview shows how white text looks on a background with the Yxy color 39.9829, 0.2785, 0.2725.

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

39.9829, 0.2785, 0.2725

Protanopia

40.0293, 0.2725, 0.2731

Deuteranopia

39.9829, 0.2785, 0.2725



Tritanopia

39.7872, 0.2935, 0.3095

Trichromacy



Original Color

39.9829, 0.2785, 0.2725

Protanomaly

39.9720, 0.2747, 0.2721

Deuteranomaly

39.9829, 0.2785, 0.2725

Tritanomaly

40.0127, 0.2882, 0.2963

Monochromacy



Original Color

39.9829, 0.2785, 0.2725

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

40.3137, 0.2995, 0.3072

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9829, 0.2785, 0.2725 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(166, 166, 209)` looks like.

```
.text, #text, p{  
    color:rgb(166, 166, 209)  
}
```

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(166, 166, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 166, 209) }
```

Border

The CSS property to change the border of an element to Yxy 39.9829, 0.2785, 0.2725 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(166, 166, 209) }
```

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

```
.border{ border-color:rgb(166, 166, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 166, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 166, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 166, 209);  
box-shadow:4px 4px 4px 4px rgb(166, 166,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9829, 0.2785, 0.2725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 166, 209) }
```

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

```
.background{ background-color: rgb(166,  
166, 209) }
```

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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