

Converting Colors

$Yxy(40.7029, 0.2720, 0.2593)$

Have a look what the booklet for
Yxy(40.7029, 0.2720, 0.2593)
contains.

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Color

Yxy(40.7646, 0.2723, 0.2600)

Conversions

Conversions Part 1

Format	Color
Hex	A8A6DC
RGB	168, 166, 220
RGB Percent	66%, 65%, 86%
CMY	0.3414, 0.3489, 0.1372
CMYK	0.24, 0.25, 0.00, 0.14
HSL	242°, 44%, 76%
HSV	242°, 25%, 86%
XYZ	42.6931, 40.7646, 73.3292
YIQ	172.7540, -16.1420, 17.2180

Conversions

Conversions Part 2

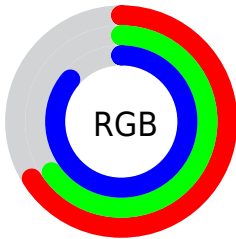
Format	Color
R _Y B	168, 166, 220
Decimal	11052764
CIE Lab	70.01, 12.19, -27.01
CIE LCh	70, 29.635, 294.280
Yxy	40.7646, 0.2723, 0.2600
Android (android.graphics.Color)	4289242844 (0xFFA8A6DC)
YUV	172.7540, 23.2923, -4.1693
Hunter-Lab	63.8472, 7.6262, -23.4023

Details

The Yxy color $40.7646, 0.2723, 0.2600$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $68.8602, 0.3481, 0.3903$, and the grayscale version is $41.5398, 0.3127, 0.3290$.

A 20% lighter version of the original color is $74.7802, 0.2933, 0.2938$, and $18.3961, 0.2603, 0.2409$ is the 20% darker color. If you saturate the color by 10%, you get $31.2979, 0.2526, 0.2266$, and if you desaturate by 10%, it is $51.9827, 0.2902, 0.2905$.

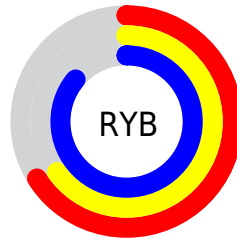
Distribution



Red (66%)

Green (65%)

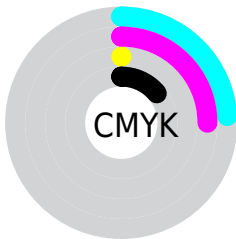
Blue (86%)



Red (66%)

Yellow (65%)

Blue (86%)

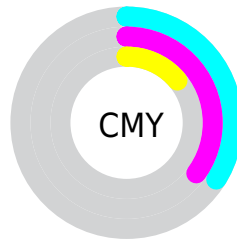


Cyan (24%)

Magenta (25%)

Yellow (0%)

Black (14%)



Cyan (34%)

Magenta (35%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.7646, 0.2723, 0.2600 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 40.7646, 0.2723, 0.2600 by changing the saturation by 10% instead.

■ 40.7646, 0.2723,
0.2600

■ 40.7646, 0.2723,
0.2600

■ 349.3358, 0.2930,
0.2938

■ 28.1352, 0.2671,
0.2518

■ 76.3264, 0.2799,
0.2721

■ 18.4276, 0.2603,
0.2415

■ 100.0276, 0.2827,
0.2767

■ 11.2574, 0.2513,
0.2281

■ 128.1882, 0.2851,
0.2806

■ 6.2403, 0.2388,
0.2101

■ 161.1926, 0.2871,
0.2840

■ 2.9917, 0.2204,
0.1848

■ 199.4251, 0.2889,
0.2869

■ 1.1274, 0.1912,
0.1476

■ 243.2703, 0.2904,

■ 0.0012, 0.1186,

0.2895

0.0005

293.1124, 0.2918,
0.2918

0.0000, 0.0000,
0.0000

40.7646, 0.2723,
0.2600

40.7646, 0.2723,
0.2600

31.2979, 0.2526,
0.2266

51.9827, 0.2902,
0.2905

23.4897, 0.2316,
0.1915

65.0291, 0.3062,
0.3178

17.2459, 0.2105,
0.1564

79.9821, 0.3201,
0.3416

12.4612, 0.1907,
0.1236

96.9140, 0.3320,
0.3623

9.0169, 0.1737,
0.0960

97.9474, 0.3333,
0.3631

■ 6.7764, 0.1609,
0.0758

■ 5.5734, 0.1532,
0.0641

■ 5.2178, 0.1509,
0.0605

Harmonies

Analogous

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



40.7646, 0.2439, 0.2629



40.7646, 0.2723, 0.2600



40.7646, 0.3133, 0.2729

Triad

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



40.7646, 0.2723, 0.2600



40.7646, 0.3992, 0.3663



40.7646, 0.2680, 0.3615

Complementary

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



40.7646, 0.2723, 0.2600



68.8602, 0.3481, 0.3903

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.



40.7646, 0.3075, 0.3956



40.7646, 0.2723, 0.2600



40.7646, 0.3842, 0.3947

Square

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



40.7646, 0.2723, 0.2600



40.7646, 0.3892, 0.3316



40.7646, 0.3502, 0.4073



40.7646, 0.2414, 0.3187

Rectangle

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



40.7646, 0.2723, 0.2600



40.7646, 0.3429, 0.2888



40.7646, 0.3502, 0.4073



40.7646, 0.2801, 0.3747

Sweetspot

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



40.7662, 0.2723, 0.2600



86.0150, 0.3023, 0.3112



63.5250, 0.2766, 0.3267



18.1659, 0.3014, 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.



40.7662, 0.2723, 0.2600



50.4384, 0.2632, 0.2446



44.0251, 0.2941, 0.2642



12.6391, 0.2986, 0.3049



3.0724, 0.1512, 0.0606



0.2070, 0.1547, 0.0626

Inverse Universe

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



47.5631, 0.3172, 0.2702



61.3801, 0.3181, 0.2589



65.0456, 0.3277, 0.3946



13.2664, 0.3143, 0.3068



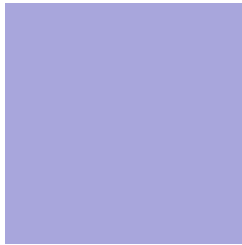
11.7289, 0.3299, 0.1591



0.7624, 0.3284, 0.1583

Previews

White Background



This preview shows how the Yxy color 40.7646, 0.2723, 0.2600 looks on a white background.

Color Contrast Check

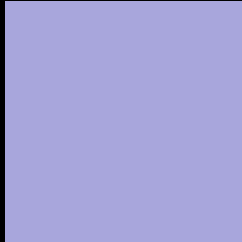
Large Text (above 18pt) WCAG AA × Fail

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 40.7646, 0.2723, 0.2600 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

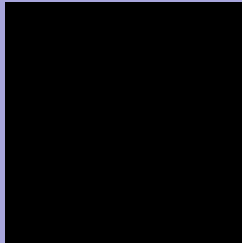
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.7646, 0.2723, 0.2600

Background



This preview shows how black text looks on a background with the Yxy color 40.7646, 0.2723, 0.2600.



This preview shows how white text looks on a background with the Yxy color 40.7646, 0.2723, 0.2600.

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

40.7646, 0.2723, 0.2600

Protanopia

40.8180, 0.2631, 0.2601

Deuteranopia

40.8540, 0.2680, 0.2618



Tritanopia

40.6273, 0.2920, 0.3096

Trichromacy



Original Color

40.7646, 0.2723, 0.2600

Protanomaly

40.8028, 0.2666, 0.2605

Deuteranomaly

40.6973, 0.2694, 0.2607

Tritanomaly

40.7192, 0.2853, 0.2913

Monochromacy



Original Color

40.7646, 0.2723, 0.2600

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

41.1251, 0.2973, 0.3021

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7646, 0.2723, 0.2600 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(168, 166, 220)` looks like.

```
.text, #text, p{  
    color:rgb(168, 166, 220)  
}
```

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(168, 166, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 166, 220) }
```

Border

The CSS property to change the border of an element to Yxy 40.7646, 0.2723, 0.2600 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(168, 166, 220) }
```

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

```
.border{ border-color:rgb(168, 166, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 166, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 166, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 166, 220);  
box-shadow:4px 4px 4px 4px rgb(168, 166,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7646, 0.2723, 0.2600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 166, 220) }
```

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

```
.background{ background-color: rgb(168,  
166, 220) }
```

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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