

Converting Colors

$Y_{xy}(40.5569, 0.2796, 0.2742)$

Have a look what the booklet for
Yxy(40.5569, 0.2796, 0.2742)
contains.

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Color

Yxy(40.4564, 0.2794, 0.2740)

Conversions

Conversions Part 1

Format	Color
Hex	A7A7D1
RGB	167, 167, 209
RGB Percent	65%, 65%, 82%
CMY	0.3453, 0.3450, 0.1805
CMYK	0.20, 0.20, 0.00, 0.18
HSL	240°, 31%, 74%
HSV	240°, 20%, 82%
XYZ	41.2537, 40.4564, 65.9410
YIQ	171.7880, -13.4820, 13.0620

Conversions

Conversions Part 2

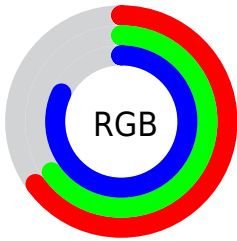
Format	Color
RYB	167, 167, 209
Decimal	10987473
CIELab	69.79, 8.77, -21.29
CIElCh	70, 23.027, 292.387
Yxy	40.4564, 0.2794, 0.2740
Android (android.graphics.Color)	4289177553 (0xFFA7A7D1)
YUV	171.7880, 18.3455, -4.1991
Hunter-Lab	63.6053, 4.4637, -16.9434

Details

The Yxy color $40.4564, 0.2794, 0.2740$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $61.8969, 0.3428, 0.3787$, and the grayscale version is $41.0503, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.1505, 0.2926, 0.2948$, and $18.1720, 0.2694, 0.2590$ is the 20% darker color. If you saturate the color by 10%, you get $31.3248, 0.2599, 0.2417$, and if you desaturate by 10%, it is $51.1923, 0.2970, 0.3031$.

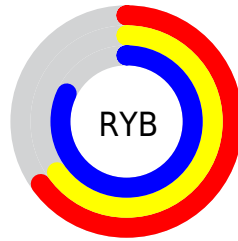
Distribution



Red (65%)

Green (65%)

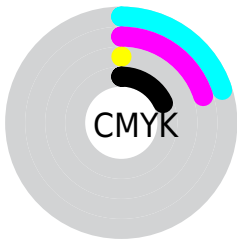
Blue (82%)



Red (65%)

Yellow (65%)

Blue (82%)

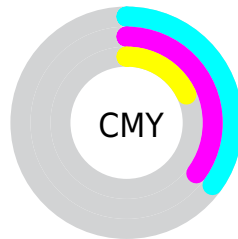


Cyan (20%)

Magenta (20%)

Yellow (0%)

Black (18%)



Cyan (35%)

Magenta (35%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.4564, 0.2794, 0.2740 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 40.4564, 0.2794, 0.2740 by changing the saturation by 10% instead.

■ 40.4564, 0.2794,
0.2740

■ 40.4564, 0.2794,
0.2740

■ 348.0435, 0.2965,
0.3013

■ 27.8946, 0.2750,
0.2673

■ 75.8580, 0.2857,
0.2839

■ 18.2462, 0.2694,
0.2587

■ 99.4666, 0.2880,
0.2876

■ 11.1269, 0.2618,
0.2474

■ 127.5262, 0.2900,
0.2908

■ 6.1522, 0.2512,
0.2319

■ 160.4212, 0.2917,
0.2935

■ 2.9379, 0.2351,
0.2096

■ 198.5360, 0.2931,
0.2958

■ 1.0994, 0.2089,
0.1750

■ 242.2551, 0.2944,

■ 0.0000, 0.1101,


0.2979


0.0000


291.9628, 0.2955,
0.2997


 0.0000, 0.0000,
0.0000

 40.4564, 0.2794,
0.2740

 40.4564, 0.2794,
0.2740

 31.3248, 0.2599,
0.2417


 51.1923, 0.2970,
0.3031


 23.7159, 0.2389,
0.2071


 63.5990, 0.3126,
0.3287


 17.5484, 0.2174,
0.1715

 77.7455, 0.3261,
0.3510

 12.7313, 0.1966,
0.1372

 93.6951, 0.3377,
0.3703

 9.1637, 0.1783,
0.1069

 97.3823, 0.3400,
0.3741

■ 6.7300, 0.1640,
0.0832

■ 5.2936, 0.1547,
0.0678

■ 4.6097, 0.1500,
0.0601

Harmonies

Analogous

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



40.4564, 0.2574, 0.2776



40.4564, 0.2794, 0.2740



40.4564, 0.3113, 0.2835

Triad

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



40.4564, 0.2794, 0.2740



40.4564, 0.3801, 0.3576



40.4564, 0.2796, 0.3561

Complementary

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



40.4564, 0.2794, 0.2740



61.8969, 0.3428, 0.3787

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.



40.4564, 0.3113, 0.3811



40.4564, 0.2794, 0.2740



40.4564, 0.3700, 0.3798

Square

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



40.4564, 0.2794, 0.2740



40.4564, 0.3710, 0.3300



40.4564, 0.3445, 0.3895



40.4564, 0.2575, 0.3236

Rectangle

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



40.4564, 0.2794, 0.2740



40.4564, 0.3343, 0.2959



40.4564, 0.3445, 0.3895



40.4564, 0.2894, 0.3659

Sweetspot

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



40.4580, 0.2794, 0.2740



87.8511, 0.3035, 0.3139



58.3681, 0.2833, 0.3298



18.5335, 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.



40.4580, 0.2794, 0.2740



57.2016, 0.2715, 0.2609



42.8209, 0.2963, 0.2765



11.4207, 0.2982, 0.3050



2.8443, 0.1500, 0.0601



0.1601, 0.1502, 0.0605

Inverse Universe

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



43.9632, 0.3523, 0.3290



63.6451, 0.3630, 0.3290



59.1544, 0.3267, 0.3814



11.8086, 0.3290, 0.3290



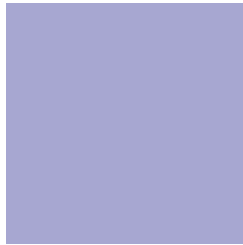
8.3584, 0.6399, 0.3299



0.4675, 0.6392, 0.3295

Previews

White Background



This preview shows how the Yxy color 40.4564, 0.2794, 0.2740 looks on a white background.

Color Contrast Check

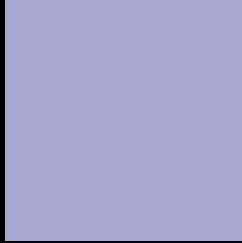
Large Text (above 18pt) WCAG AA × Fail

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 40.4564, 0.2794, 0.2740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

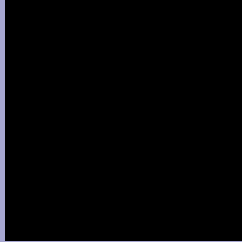
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.4564, 0.2794, 0.2740

Background



This preview shows how black text looks on a background with the Yxy color 40.4564, 0.2794, 0.2740.



This preview shows how white text looks on a background with the Yxy color 40.4564, 0.2794, 0.2740.

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

40.4564, 0.2794, 0.2740

Protanopia

40.6061, 0.2741, 0.2747

Deuteranopia

40.5657, 0.2802, 0.2741



Tritanopia

40.4151, 0.2944, 0.3097

Trichromacy



Original Color

40.4564, 0.2794, 0.2740

Protanomaly

40.4449, 0.2756, 0.2736

Deuteranomaly

40.5657, 0.2802, 0.2741

Tritanomaly

40.5370, 0.2883, 0.2964

Monochromacy



Original Color

40.4564, 0.2794, 0.2740

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

40.7983, 0.3004, 0.3086

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.4564, 0.2794, 0.2740 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(167, 167, 209)` looks like.

```
.text, #text, p{  
    color:rgb(167, 167, 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(167, 167, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 167, 209) }
```

Border

The CSS property to change the border of an element to Yxy 40.4564, 0.2794, 0.2740 is called "border". The border property can be set on classes, ids or directly on the HTML element.

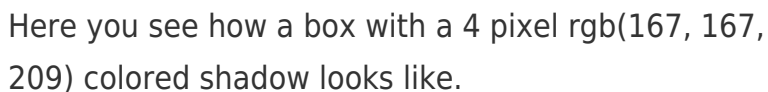
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 167, 209) }
```

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

```
.border{ border-color:rgb(167, 167, 209) }
```

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



Here you see how a box with a 4 pixel `rgb(167, 167, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 167, 209); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 167, 209); box-shadow:4px 4px 4px 4px rgb(167, 167, 209) }
```


Background

The CSS property to change the background color of an element to Yxy 40.4564, 0.2794, 0.2740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 167, 209) }
```

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

```
.background{ background-color: rgb(167,  
167, 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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