

Converting Colors

$Y_{xy}(46.6401, 0.2705, 0.2665)$

Have a look what the booklet for
Yxy(46.6401, 0.2705, 0.2665)
contains.

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Color

Yxy(46.7240, 0.2701, 0.2662)

Conversions

Conversions Part 1

Format	Color
Hex	ACB3E6
RGB	172, 179, 230
RGB Percent	67%, 70%, 90%
CMY	0.3257, 0.2980, 0.0980
CMYK	0.25, 0.22, 0.00, 0.10
HSL	233°, 54%, 79%
HSV	233°, 25%, 90%
XYZ	47.4085, 46.7240, 81.3896
YIQ	182.7210, -20.5430, 14.3770

Conversions

Conversions Part 2

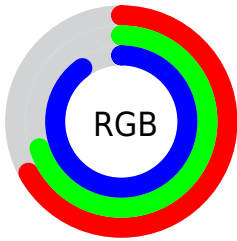
Format	Color
R_{YB}	172, 178, 230
Decimal	11318246
CIE _{Lab}	74.01, 8.54, -26.32
CIE _{LCh}	74, 27.667, 287.987
Yxy	46.7240, 0.2701, 0.2662
Android (android.graphics.Color)	4289508326 (0xFFACB3E6)
YUV	182.7210, 23.3085, -9.4023
Hunter-Lab	68.3550, 4.1800, -22.7476

Details

The Yxy color $46.7240, 0.2701, 0.2662$ is a light color, and the websafe version is hex `9999CC`. A complement of this color would be $72.5455, 0.3525, 0.3849$, and the grayscale version is $47.0688, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.1306, 0.2961, 0.3087$, and $21.8996, 0.2590, 0.2498$ is the 20% darker color. If you saturate the color by 10%, you get $36.8317, 0.2506, 0.2364$, and if you desaturate by 10%, it is $58.2566, 0.2883, 0.2933$.

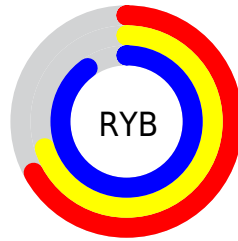
Distribution



Red (67%)

Green (70%)

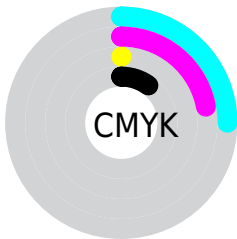
Blue (90%)



Red (67%)

Yellow (70%)

Blue (90%)

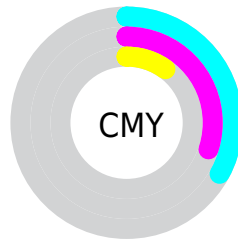


Cyan (25%)

Magenta (22%)

Yellow (0%)

Black (10%)



Cyan (33%)

Magenta (30%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.7240, 0.2701, 0.2662 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 46.7240, 0.2701, 0.2662 by changing the saturation by 10% instead.

■ 46.7240, 0.2701,
0.2662

■ 46.7240, 0.2701,
0.2662

373.7118, 0.2913,
0.2965

■ 32.8175, 0.2649,
0.2590

■ 85.3015, 0.2777,
0.2770

■ 21.9867, 0.2583,
0.2499

110.7413, 0.2806,
0.2811

■ 13.8471, 0.2497,
0.2383

140.7943, 0.2831,
0.2846

■ 8.0144, 0.2379,
0.2228

175.8450, 0.2852,
0.2876

■ 4.1042, 0.2211,
0.2012

216.2777, 0.2870,
0.2903

■ 1.7320, 0.1955,
0.1698

262.4768, 0.2886,

■ 0.4443, 0.1525,

0.2926

0.1074

314.8267, 0.2900,
0.2947

 0.0000, 0.0000,
0.0000

 46.7240, 0.2701,
0.2662


 46.7240, 0.2701,
0.2662

 36.8317, 0.2506,
0.2364


 58.2566, 0.2883,
0.2933

 28.4995, 0.2302,
0.2047


 71.4936, 0.3048,
0.3175

 21.6490, 0.2100,
0.1722

 86.5027, 0.3195,
0.3387

 16.1924, 0.1911,
0.1408

 98.4937, 0.3274,
0.3532

 12.0327, 0.1748,
0.1125

■ 9.0601, 0.1624,
0.0895

■ 7.1460, 0.1546,
0.0731

■ 6.5444, 0.1522,
0.0677

Harmonies

Analogous

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



46.7240, 0.2475, 0.2723



46.7240, 0.2701, 0.2662



46.7240, 0.3051, 0.2750

Triad

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



46.7240, 0.2701, 0.2662



46.7240, 0.3898, 0.3566



46.7240, 0.2795, 0.3653

Complementary

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



46.7240, 0.2701, 0.2662



72.5455, 0.3525, 0.3849

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.



46.7240, 0.3164, 0.3920



46.7240, 0.2701, 0.2662



46.7240, 0.3812, 0.3837

Square

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



46.7240, 0.2701, 0.2662



46.7240, 0.3762, 0.3251



46.7240, 0.3538, 0.3980



46.7240, 0.2525, 0.3280

Rectangle

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



46.7240, 0.2701, 0.2662



46.7240, 0.3316, 0.2879



46.7240, 0.3538, 0.3980



46.7240, 0.2911, 0.3761

Sweetspot

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



46.7259, 0.2701, 0.2662



85.4309, 0.3003, 0.3110



70.6526, 0.2800, 0.3380



17.7339, 0.2979, 0.3074



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.



46.7259, 0.2701, 0.2662



52.6310, 0.2606, 0.2518



46.5681, 0.2857, 0.2604



14.1684, 0.2980, 0.3077



3.7981, 0.1526, 0.0693



0.3738, 0.1580, 0.0888

Inverse Universe

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



49.5657, 0.3596, 0.3211



56.9229, 0.3721, 0.3194



73.0906, 0.3351, 0.3953



14.3964, 0.3273, 0.3262



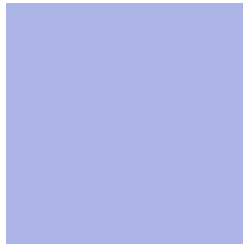
9.5811, 0.6245, 0.3214



0.7174, 0.5930, 0.3040

Previews

White Background



This preview shows how the Yxy color 46.7240, 0.2701, 0.2662 looks on a white background.

Color Contrast Check

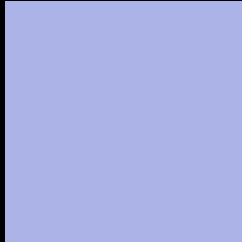
Large Text (above 18pt) WCAG AA × Fail

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 46.7240, 0.2701, 0.2662 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

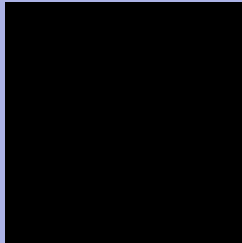
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.7240, 0.2701, 0.2662

Background



This preview shows how black text looks on a background with the Yxy color 46.7240, 0.2701, 0.2662.



This preview shows how white text looks on a background with the Yxy color 46.7240, 0.2701, 0.2662.

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

46.7240, 0.2701, 0.2662

Protanopia

46.8471, 0.2675, 0.2660

Deuteranopia

46.5526, 0.2715, 0.2652



Tritanopia

46.9284, 0.2871, 0.3105

Trichromacy



Original Color

46.7240, 0.2701, 0.2662

Protanomaly

46.9581, 0.2682, 0.2661

Deuteranomaly

46.4382, 0.2708, 0.2651

Tritanomaly

46.8449, 0.2808, 0.2942

Monochromacy



Original Color

46.7240, 0.2701, 0.2662

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.2097, 0.2965, 0.3060

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7240, 0.2701, 0.2662 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(172, 179, 230)` looks like.

```
.text, #text, p{  
    color:rgb(172, 179, 230)  
}
```

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(172, 179, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 179, 230) }
```

Border

The CSS property to change the border of an element to Yxy 46.7240, 0.2701, 0.2662 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(172, 179, 230) }
```

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

```
.border{ border-color:rgb(172, 179, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 179, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 179, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 179, 230);  
box-shadow:4px 4px 4px 4px rgb(172, 179,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7240, 0.2701, 0.2662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 179, 230) }
```

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

```
.background{ background-color: rgb(172,  
179, 230) }
```

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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