

Converting Colors

$Y_{xy}(45.2001, 0.2690, 0.2600)$

Have a look what the booklet for
Yxy(45.2001, 0.2690, 0.2600)
contains.

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Color

Yxy(45.2001, 0.2690, 0.2600)

Conversions

Conversions Part 1

Format	Color
Hex	ACAFE7
RGB	172, 175, 231
RGB Percent	67%, 69%, 91%
CMY	0.3256, 0.3137, 0.0940
CMYK	0.26, 0.24, 0.00, 0.09
HSL	237°, 55%, 79%
HSV	237°, 26%, 91%
XYZ	46.7647, 45.2001, 81.8817
YIQ	180.4870, -19.7640, 16.7800

Conversions

Conversions Part 2

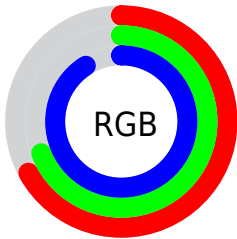
Format	Color
R_{YB}	172, 175, 231
Decimal	11317223
CIE _{Lab}	73.02, 11.01, -28.39
CIE _{LCh}	73, 30.445, 291.191
Yxy	45.2001, 0.2690, 0.2600
Android (android.graphics.Color)	4289507303 (0xFFACAFE7)
YUV	180.4870, 24.9029, -7.4431
Hunter-Lab	67.2310, 6.5072, -25.1485

Details

The Yxy color **45.2001, 0.2690, 0.2600** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **75.4519, 0.3520, 0.3898**, and the grayscale version is **45.7877, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.3076, 0.2960, 0.3035**, and **21.1126, 0.2566, 0.2431** is the 20% darker color. If you saturate the color by 10%, you get **34.9619, 0.2489, 0.2277**, and if you desaturate by 10%, it is **57.2804, 0.2876, 0.2895**.

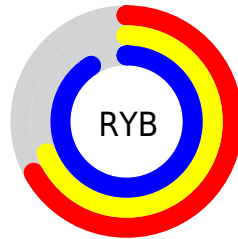
Distribution



Red (67%)

Green (69%)

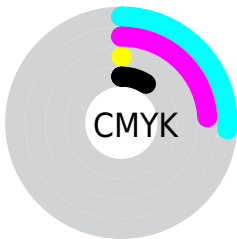
Blue (91%)



Red (67%)

Yellow (69%)

Blue (91%)

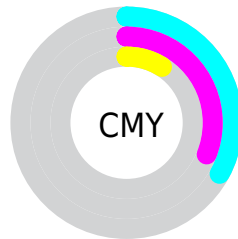


Cyan (26%)

Magenta (24%)

Yellow (0%)

Black (9%)



Cyan (33%)

Magenta (31%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.2001, 0.2690, 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 45.2001, 0.2690, 0.2600 by changing the saturation by 10% instead.

■ 45.2001, 0.2690,
0.2600

■ 45.2001, 0.2690,
0.2600

367.5834, 0.2909,
0.2933

■ 31.6151, 0.2636,
0.2521

■ 83.0206, 0.2769,
0.2718

■ 21.0677, 0.2567,
0.2422

108.0249, 0.2799,
0.2763

■ 13.1735, 0.2477,
0.2295

137.6043, 0.2824,
0.2802

■ 7.5481, 0.2354,
0.2127

172.1434, 0.2846,
0.2835

■ 3.8072, 0.2177,
0.1894

212.0264, 0.2865,
0.2864

■ 1.5663, 0.1908,
0.1559

257.6378, 0.2881,

■ 0.3347, 0.1453,

0.2890

0.0829

309.3620, 0.2896,
0.2913

0.0000, 0.0000,
0.0000

45.2001, 0.2690,
0.2600

45.2001, 0.2690,
0.2600

34.9619, 0.2489,
0.2277

57.2804, 0.2876,
0.2895

26.4703, 0.2278,
0.1936

71.2815, 0.3043,
0.3158

19.6293, 0.2069,
0.1594

87.2838, 0.3190,
0.3388

14.3314, 0.1875,
0.1271

98.5512, 0.3268,
0.3522

10.4565, 0.1712,
0.0994

■ 7.8666, 0.1593,
0.0786

■ 6.3964, 0.1525,
0.0657

■ 6.0315, 0.1507,
0.0624

Harmonies

Analogous

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



45.2001, 0.2425, 0.2646



45.2001, 0.2690, 0.2600



45.2001, 0.3088, 0.2713

Triad

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



45.2001, 0.2690, 0.2600



45.2001, 0.3987, 0.3627



45.2001, 0.2719, 0.3654

Complementary

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



45.2001, 0.2690, 0.2600



75.4519, 0.3520, 0.3898

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.



45.2001, 0.3119, 0.3975



45.2001, 0.2690, 0.2600



45.2001, 0.3863, 0.3919

Square

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



45.2001, 0.2690, 0.2600



45.2001, 0.3862, 0.3280



45.2001, 0.3540, 0.4064



45.2001, 0.2439, 0.3231

Rectangle

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



45.2001, 0.2690, 0.2600



45.2001, 0.3382, 0.2863



45.2001, 0.3540, 0.4064



45.2001, 0.2843, 0.3781

Sweetspot

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



45.2019, 0.2690, 0.2600



84.6037, 0.3003, 0.3096



71.4863, 0.2774, 0.3335



17.5276, 0.2978, 0.3057



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.



45.2019, 0.2690, 0.2600



49.0944, 0.2579, 0.2422



47.2108, 0.2884, 0.2601



14.0055, 0.2980, 0.3060



3.4339, 0.1509, 0.0633



0.2960, 0.1535, 0.0726

Inverse Universe

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



49.5826, 0.3642, 0.3257



55.5871, 0.3799, 0.3249



73.1867, 0.3325, 0.3968



14.3800, 0.3284, 0.3278



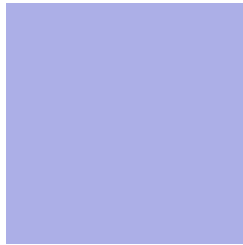
9.5444, 0.6344, 0.3269



0.7096, 0.6190, 0.3184

Previews

White Background



This preview shows how the Yxy color 45.2001, 0.2690, 0.2600 looks on a white background.

Color Contrast Check

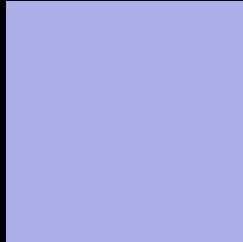
Large Text (above 18pt) WCAG AA × Fail

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 45.2001, 0.2690, 0.2600 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

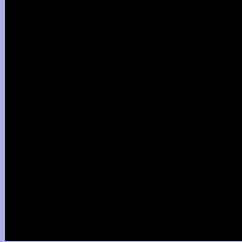
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.2001, 0.2690, 0.2600

Background



This preview shows how black text looks on a background with the Yxy color 45.2001, 0.2690, 0.2600.



This preview shows how white text looks on a background with the Yxy color 45.2001, 0.2690, 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

45.2001, 0.2690, 0.2600

Protanopia

45.2200, 0.2623, 0.2593

Deuteranopia

45.2552, 0.2670, 0.2609



Tritanopia

45.0326, 0.2882, 0.3090

Trichromacy



Original Color

45.2001, 0.2690, 0.2600

Protanomaly

45.0924, 0.2649, 0.2595

Deuteranomaly

45.3662, 0.2677, 0.2610

Tritanomaly

45.1685, 0.2812, 0.2901

Monochromacy



Original Color

45.2001, 0.2690, 0.2600

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.3114, 0.2955, 0.3018

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2001, 0.2690, 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(172, 175, 231)` looks like.

```
.text, #text, p{  
    color:rgb(172, 175, 231)  
}
```

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, 175, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 175, 231) }
```

Border

The CSS property to change the border of an element to Yxy 45.2001, 0.2690, 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(172, 175, 231) }
```

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

```
.border{ border-color:rgb(172, 175, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 175, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 175, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 175, 231);  
box-shadow:4px 4px 4px 4px rgb(172, 175,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2001, 0.2690, 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(172, 175, 231) }
```

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

```
.background{ background-color: rgb(172,  
175, 231) }
```

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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