

Converting Colors

$Y_{xy}(45.7273, 0.2691, 0.2644)$

Have a look what the booklet for
Yxy(45.7273, 0.2691, 0.2644)
contains.

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Color

Yxy(45.6475, 0.2691, 0.2645)

Conversions

Conversions Part 1

Format	Color
Hex	AAB1E5
RGB	170, 177, 229
RGB Percent	67%, 69%, 90%
CMY	0.3334, 0.3059, 0.1020
CMYK	0.26, 0.23, 0.00, 0.10
HSL	233°, 53%, 78%
HSV	233°, 26%, 90%
XYZ	46.4414, 45.6475, 80.4915
YIQ	180.8350, -20.8640, 14.6880

Conversions

Conversions Part 2

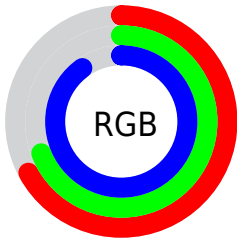
Format	Color
RYB	170, 176, 229
Decimal	11186661
CIELab	73.32, 8.83, -26.85
CIELCh	73, 28.261, 288.209
Yxy	45.6475, 0.2691, 0.2645
Android (android.graphics.Color)	4289376741 (0xFFAAB1E5)
YUV	180.8350, 23.7453, -9.5023
Hunter-Lab	67.5629, 4.4621, -23.3414

Details

The Yxy color $45.6475, 0.2691, 0.2645$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $71.7977, 0.3533, 0.3862$, and the grayscale version is $45.9932, 0.3127, 0.3290$.

A 20% lighter version of the original color is $81.6666, 0.2948, 0.3065$, and $21.4663, 0.2577, 0.2491$ is the 20% darker color. If you saturate the color by 10%, you get $35.9243, 0.2495, 0.2345$, and if you desaturate by 10%, it is $56.9976, 0.2874, 0.2919$.

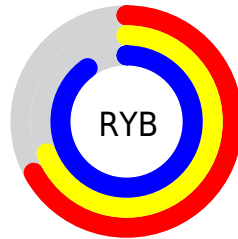
Distribution



Red (67%)

Green (69%)

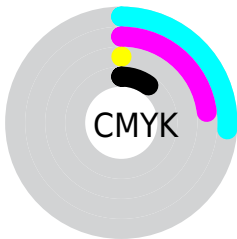
Blue (90%)



Red (67%)

Yellow (69%)

Blue (90%)

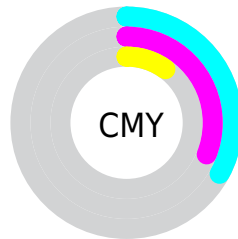


Cyan (26%)

Magenta (23%)

Yellow (0%)

Black (10%)



Cyan (33%)

Magenta (31%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.6475, 0.2691, 0.2645 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 45.6475, 0.2691, 0.2645 by changing the saturation by 10% instead.

■ 45.6475, 0.2691,
0.2645

■ 45.6475, 0.2691,
0.2645

369.3897, 0.2908,
0.2957

■ 31.9677, 0.2637,
0.2571

■ 83.6912, 0.2770,
0.2756

■ 21.3369, 0.2569,
0.2477

108.8239, 0.2799,
0.2798

■ 13.3705, 0.2480,
0.2357

138.5431, 0.2824,
0.2835

■ 7.6841, 0.2358,
0.2196

173.2332, 0.2846,
0.2866

■ 3.8935, 0.2184,
0.1973

213.2784, 0.2865,
0.2893

■ 1.6142, 0.1917,
0.1647

259.0634, 0.2881,

■ 0.3671, 0.1450,

0.2917

0.0943

310.9723, 0.2896,
0.2939

0.0000, 0.0000,
0.0000

45.6475, 0.2691,
0.2645

45.6475, 0.2691,
0.2645

35.9243, 0.2495,
0.2345

56.9976, 0.2874,
0.2919

27.7480, 0.2291,
0.2026

70.0389, 0.3039,
0.3163

21.0398, 0.2089,
0.1701

84.8389, 0.3188,
0.3377

15.7121, 0.1901,
0.1387

98.4372, 0.3280,
0.3542

11.6674, 0.1739,
0.1107

■ 8.7954, 0.1618,
0.0880

■ 6.9664, 0.1542,
0.0722

■ 6.4505, 0.1521,
0.0675

Harmonies

Analogous

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



45.6475, 0.2458, 0.2706



45.6475, 0.2691, 0.2645



45.6475, 0.3052, 0.2736

Triad

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



45.6475, 0.2691, 0.2645



45.6475, 0.3922, 0.3575



45.6475, 0.2783, 0.3662

Complementary

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



45.6475, 0.2691, 0.2645



71.7977, 0.3533, 0.3862

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.



45.6475, 0.3162, 0.3939



45.6475, 0.2691, 0.2645



45.6475, 0.3830, 0.3854

Square

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



45.6475, 0.2691, 0.2645



45.6475, 0.3783, 0.3251



45.6475, 0.3547, 0.4001



45.6475, 0.2507, 0.3276

Rectangle

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



45.6475, 0.2691, 0.2645



45.6475, 0.3324, 0.2869



45.6475, 0.3547, 0.4001



45.6475, 0.2902, 0.3773

Sweetspot

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



45.6493, 0.2691, 0.2645



85.3962, 0.3003, 0.3110



69.8120, 0.2794, 0.3382



17.7252, 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.



45.6493, 0.2691, 0.2645



51.2853, 0.2586, 0.2485



45.5633, 0.2850, 0.2589



14.1615, 0.2980, 0.3076



3.7784, 0.1525, 0.0689



0.3705, 0.1578, 0.0882

Inverse Universe

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



48.5805, 0.3610, 0.3211



55.8083, 0.3751, 0.3193



72.2591, 0.3355, 0.3968



14.3957, 0.3274, 0.3262



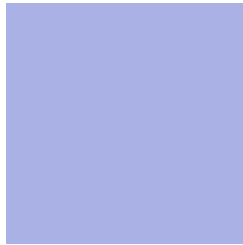
9.5791, 0.6250, 0.3217



0.7171, 0.5940, 0.3046

Previews

White Background



This preview shows how the Yxy color 45.6475, 0.2691, 0.2645 looks on a white background.

Color Contrast Check

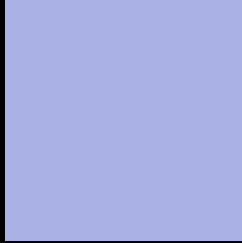
Large Text (above 18pt) WCAG AA × Fail

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 45.6475, 0.2691, 0.2645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

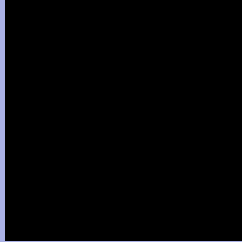
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.6475, 0.2691, 0.2645

Background



This preview shows how black text looks on a background with the Yxy color 45.6475, 0.2691, 0.2645.



This preview shows how white text looks on a background with the Yxy color 45.6475, 0.2691, 0.2645.

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

45.6475, 0.2691, 0.2645

Protanopia

45.7695, 0.2664, 0.2643

Deuteranopia

45.8721, 0.2706, 0.2648



Tritanopia

45.7907, 0.2868, 0.3104

Trichromacy



Original Color

45.6475, 0.2691, 0.2645

Protanomaly

45.8788, 0.2671, 0.2644

Deuteranomaly

45.7594, 0.2698, 0.2646

Tritanomaly

45.7582, 0.2798, 0.2926

Monochromacy



Original Color

45.6475, 0.2691, 0.2645

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.0668, 0.2963, 0.3057

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6475, 0.2691, 0.2645 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(170, 177, 229)` looks like.

```
.text, #text, p{  
    color:rgb(170, 177, 229)  
}
```

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(170, 177, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 177, 229) }
```

Border

The CSS property to change the border of an element to Yxy 45.6475, 0.2691, 0.2645 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(170, 177, 229) }
```

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

```
.border{ border-color:rgb(170, 177, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 177, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 177, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 177, 229);  
box-shadow:4px 4px 4px 4px rgb(170, 177,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6475, 0.2691, 0.2645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 177, 229) }
```

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

```
.background{ background-color: rgb(170,  
177, 229) }
```

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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