

Converting Colors

$Yxy(45.7726, 0.2745, 0.2738)$

Have a look what the booklet for
Yxy(45.7726, 0.2745, 0.2738)
contains.

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Color

Yxy(45.7726, 0.2745, 0.2738)

Conversions

Conversions Part 1

Format	Color
Hex	ABB2DE
RGB	171, 178, 222
RGB Percent	67%, 70%, 87%
CMY	0.3296, 0.3019, 0.1295
CMYK	0.23, 0.20, 0.00, 0.13
HSL	232°, 44%, 77%
HSV	232°, 23%, 87%
XYZ	45.8896, 45.7726, 75.5131
YIQ	180.9230, -18.2960, 12.2000

Conversions

Conversions Part 2

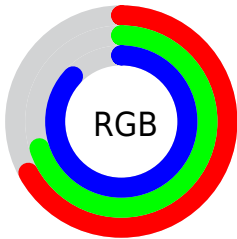
Format	Color
RYB	171, 177, 222
Decimal	11252446
CIELab	73.40, 6.91, -22.90
CIELCh	73, 23.919, 286.802
Yxy	45.7726, 0.2745, 0.2738
Android (android.graphics.Color)	4289442526 (0xFFABB2DE)
YUV	180.9230, 20.2510, -8.7025
Hunter-Lab	67.6555, 2.6767, -18.8172

Details

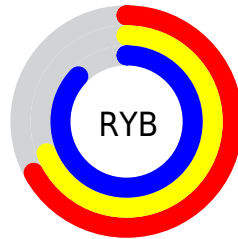
The Yxy color $45.7726, 0.2745, 0.2738$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $67.0235, 0.3489, 0.3788$, and the grayscale version is $46.0575, 0.3127, 0.3290$.

A 20% lighter version of the original color is $82.3965, 0.2955, 0.3076$, and $21.3088, 0.2636, 0.2579$ is the 20% darker color. If you saturate the color by 10%, you get $36.4004, 0.2554, 0.2452$, and if you desaturate by 10%, it is $56.6279, 0.2922, 0.2997$.

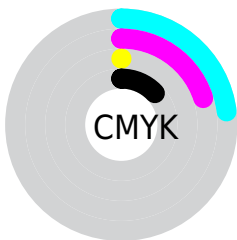
Distribution



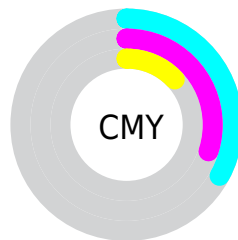
- Red (67%)
- Green (70%)
- Blue (87%)



- Red (67%)
- Yellow (69%)
- Blue (87%)



- Cyan (23%)
- Magenta (20%)
- Yellow (0%)
- Black (13%)



- Cyan (33%)
- Magenta (30%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.7726, 0.2745, 0.2738 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 45.7726, 0.2745, 0.2738 by changing the saturation by 10% instead.

■ 45.7726, 0.2745,
0.2738

■ 45.7726, 0.2745,
0.2738

369.8937, 0.2936,
0.3007

■ 32.0664, 0.2698,
0.2673

■ 83.8786, 0.2814,
0.2834

■ 21.4122, 0.2638,
0.2591

109.0471, 0.2840,
0.2871

■ 13.4257, 0.2558,
0.2485

138.8053, 0.2862,
0.2902

■ 7.7223, 0.2450,
0.2342

173.5374, 0.2881,
0.2929

■ 3.9178, 0.2292,
0.2139

213.6280, 0.2897,
0.2952

■ 1.6277, 0.2047,
0.1836

259.4612, 0.2912,

■ 0.3762, 0.1577,

0.2973

0.1127

311.4217, 0.2924,
0.2991

0.0000, 0.0000,
0.0000

45.7726, 0.2745,
0.2738

45.7726, 0.2745,
0.2738

36.4004, 0.2554,
0.2452

56.6279, 0.2922,
0.2997

28.4412, 0.2354,
0.2145

69.0214, 0.3082,
0.3227

21.8276, 0.2153,
0.1826

83.0119, 0.3226,
0.3428

16.4843, 0.1961,
0.1512

97.7428, 0.3322,
0.3607

12.3284, 0.1792,
0.1221

98.0532, 0.3322,
0.3611

■ 9.2670, 0.1658,
0.0975

■ 7.1927, 0.1567,
0.0788

■ 6.2404, 0.1527,
0.0697

Harmonies

Analogous

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



45.7726, 0.2550, 0.2800



45.7726, 0.2745, 0.2738



45.7726, 0.3049, 0.2809

Triad

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



45.7726, 0.2745, 0.2738



45.7726, 0.3797, 0.3526



45.7726, 0.2851, 0.3616

Complementary

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



45.7726, 0.2745, 0.2738



67.0235, 0.3489, 0.3788

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.



45.7726, 0.3176, 0.3839



45.7726, 0.2745, 0.2738



45.7726, 0.3731, 0.3763

Square

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



45.7726, 0.2745, 0.2738



45.7726, 0.3671, 0.3248



45.7726, 0.3500, 0.3888



45.7726, 0.2608, 0.3297

Rectangle

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



45.7726, 0.2745, 0.2738



45.7726, 0.3279, 0.2921



45.7726, 0.3500, 0.3888



45.7726, 0.2954, 0.3706

Sweetspot

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



45.7744, 0.2745, 0.2738



87.3488, 0.3019, 0.3137



65.7594, 0.2832, 0.3381



18.4736, 0.3010, 0.3123



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.



45.7744, 0.2745, 0.2738



55.7189, 0.2647, 0.2592



45.1748, 0.2878, 0.2671



13.5480, 0.2981, 0.3082



3.8015, 0.1532, 0.0713



0.3629, 0.1594, 0.0940

Inverse Universe

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



47.8494, 0.3534, 0.3208



59.2473, 0.3658, 0.3188



68.0284, 0.3337, 0.3888



13.7313, 0.3270, 0.3258



9.2918, 0.6211, 0.3195



0.6541, 0.5850, 0.2997

Previews

White Background



This preview shows how the Yxy color 45.7726, 0.2745, 0.2738 looks on a white background.

Color Contrast Check

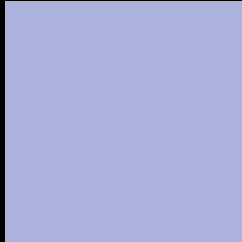
Large Text (above 18pt) WCAG AA × Fail

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 45.7726, 0.2745, 0.2738 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

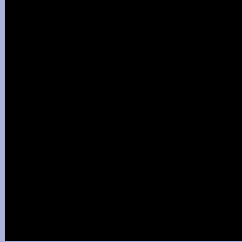
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.7726, 0.2745, 0.2738

Background



This preview shows how black text looks on a background with the Yxy color 45.7726, 0.2745, 0.2738.



This preview shows how white text looks on a background with the Yxy color 45.7726, 0.2745, 0.2738.

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

45.7726, 0.2745, 0.2738

Protanopia

45.6608, 0.2738, 0.2737

Deuteranopia

45.5547, 0.2781, 0.2718



Tritanopia

45.5941, 0.2883, 0.3091

Trichromacy



Original Color

45.7726, 0.2745, 0.2738

Protanomaly

45.6608, 0.2738, 0.2737

Deuteranomaly

45.7169, 0.2767, 0.2728

Tritanomaly

45.8288, 0.2834, 0.2965

Monochromacy



Original Color

45.7726, 0.2745, 0.2738

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

45.9752, 0.2978, 0.3082

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7726, 0.2745, 0.2738 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(171, 178, 222)` looks like.

```
.text, #text, p{  
    color:rgb(171, 178, 222)  
}
```

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(171, 178, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 178, 222) }
```

Border

The CSS property to change the border of an element to Yxy 45.7726, 0.2745, 0.2738 is called "border". The border property can be set on classes, ids or directly on the HTML element.

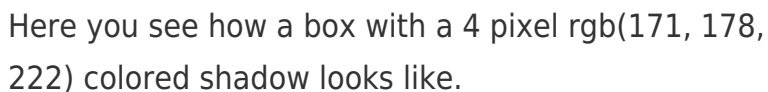
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(171, 178, 222) }
```

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

```
.border{ border-color:rgb(171, 178, 222) }
```

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



Here you see how a box with a 4 pixel `rgb(171, 178, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 178, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 178, 222); box-shadow:4px 4px 4px 4px rgb(171, 178, 222) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7726, 0.2745, 0.2738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 178, 222) }
```

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

```
.background{ background-color: rgb(171,  
178, 222) }
```

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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