

Converting Colors

$Y_{xy}(45.3273, 0.2752, 0.2735)$

Have a look what the booklet for
Yxy(45.3273, 0.2752, 0.2735)
contains.

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Color

Yxy(45.3227, 0.2751, 0.2736)

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | ABB1DD |
| RGB | 171, 177, 221 |
| RGB Percent | 67%, 69%, 87% |
| CMY | 0.3293, 0.3059, 0.1333 |
| CMYK | 0.23, 0.20, 0.00, 0.13 |
| HSL | 233°, 42%, 77% |
| HSV | 233°, 23%, 87% |
| XYZ | 45.5712, 45.3227, 74.7593 |
| YIQ | 180.2220, -17.7000, 12.4120 |

Conversions

Conversions Part 2

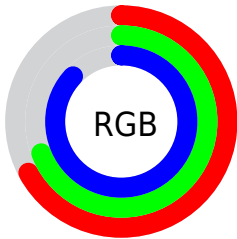
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 171, 176, 221 |
| Decimal | 11252189 |
| CIELab | 73.10, 7.27, -22.81 |
| CIELCh | 73, 23.944, 287.679 |
| Yxy | 45.3227, 0.2751, 0.2736 |
| Android (android.graphics.Color) | 4289442269 (0xFFABB1DD) |
| YUV | 180.2220, 20.1036, -8.0877 |
| Hunter-Lab | 67.3221, 3.0151, -18.7143 |

Details

The Yxy color **45.3227, 0.2751, 0.2736** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **66.9301, 0.3481, 0.3789**, and the grayscale version is **45.6667, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8287, 0.2954, 0.3065**, and **21.2720, 0.2645, 0.2594** is the 20% darker color. If you saturate the color by 10%, you get **35.9004, 0.2559, 0.2445**, and if you desaturate by 10%, it is **56.2595, 0.2928, 0.3000**.

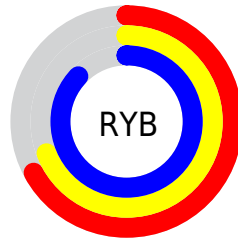
Distribution



Red (67%)

Green (69%)

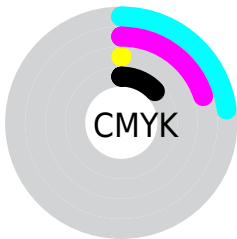
Blue (87%)



Red (67%)

Yellow (69%)

Blue (87%)

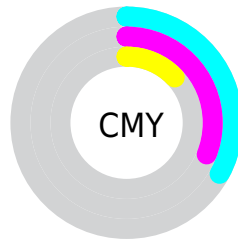


Cyan (23%)

Magenta (20%)

Yellow (0%)

Black (13%)



Cyan (33%)

Magenta (31%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.3227, 0.2751, 0.2736 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 45.3227, 0.2751, 0.2736 by changing the saturation by 10% instead.

■ 45.3227, 0.2751,
0.2736

■ 45.3227, 0.2751,
0.2736

368.0789, 0.2939,
0.3007

■ 31.7117, 0.2704,
0.2671

■ 83.2044, 0.2819,
0.2833

■ 21.1414, 0.2645,
0.2588

108.2440, 0.2845,
0.2869

■ 13.2274, 0.2566,
0.2481

137.8618, 0.2867,
0.2901

■ 7.5853, 0.2458,
0.2337

172.4423, 0.2885,
0.2928

■ 3.8308, 0.2301,
0.2133

212.3698, 0.2901,
0.2951

■ 1.5793, 0.2055,
0.1826

258.0289, 0.2916,

■ 0.3436, 0.1572,

0.2972

0.1072

309.8038, 0.2928,
0.2990

0.0000, 0.0000,
0.0000

45.3227, 0.2751,
0.2736

45.3227, 0.2751,
0.2736

35.9004, 0.2559,
0.2445

56.2595, 0.2928,
0.3000

27.9203, 0.2358,
0.2132

68.7678, 0.3088,
0.3234

21.3124, 0.2154,
0.1808

82.9085, 0.3231,
0.3439

15.9987, 0.1960,
0.1489

97.8895, 0.3328,
0.3619

11.8934, 0.1789,
0.1196

98.0010, 0.3327,
0.3621

■ 8.8998, 0.1654,
0.0950

■ 6.9061, 0.1562,
0.0768

■ 5.9796, 0.1522,
0.0677

Harmonies

Analogous

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



45.3227, 0.2551, 0.2794



45.3227, 0.2751, 0.2736



45.3227, 0.3059, 0.2811

Triad

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



45.3227, 0.2751, 0.2736



45.3227, 0.3800, 0.3534



45.3227, 0.2841, 0.3609

Complementary

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



45.3227, 0.2751, 0.2736



66.9301, 0.3481, 0.3789

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.



45.3227, 0.3166, 0.3838



45.3227, 0.2751, 0.2736



45.3227, 0.3729, 0.3770

Square

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



45.3227, 0.2751, 0.2736



45.3227, 0.3679, 0.3256



45.3227, 0.3493, 0.3891



45.3227, 0.2600, 0.3287

Rectangle

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



45.3227, 0.2751, 0.2736



45.3227, 0.3290, 0.2925



45.3227, 0.3493, 0.3891



45.3227, 0.2943, 0.3701

Sweetspot

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



45.3245, 0.2751, 0.2736



87.1508, 0.3019, 0.3133



65.2508, 0.2832, 0.3370



18.4279, 0.3010, 0.3119



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.



45.3245, 0.2751, 0.2736



56.4343, 0.2664, 0.2605



45.2165, 0.2890, 0.2684



12.8669, 0.2981, 0.3078



3.5597, 0.1526, 0.0692



0.3157, 0.1586, 0.0909

Inverse Universe

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



47.6802, 0.3534, 0.3221



60.3535, 0.3644, 0.3206



67.3107, 0.3328, 0.3878



13.0767, 0.3273, 0.3262



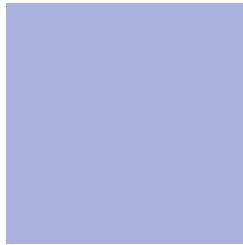
8.9831, 0.6245, 0.3214



0.5906, 0.5898, 0.3023

Previews

White Background



This preview shows how the Yxy color 45.3227, 0.2751, 0.2736 looks on a white background.

Color Contrast Check

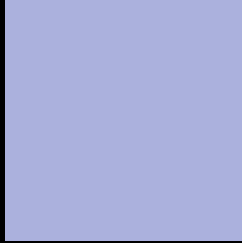
Large Text (above 18pt) WCAG AA × Fail

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 45.3227, 0.2751, 0.2736 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

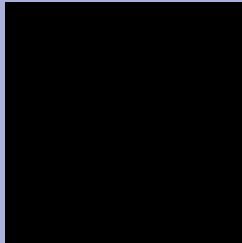
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.3227, 0.2751, 0.2736

Background



This preview shows how black text looks on a background with the Yxy color 45.3227, 0.2751, 0.2736.



This preview shows how white text looks on a background with the Yxy color 45.3227, 0.2751, 0.2736.

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

45.3227, 0.2751, 0.2736

Protanopia

45.4963, 0.2737, 0.2747

Deuteranopia

45.3851, 0.2780, 0.2728



Tritanopia

45.1403, 0.2890, 0.3090

Trichromacy



Original Color

45.3227, 0.2751, 0.2736

Protanomaly

45.6073, 0.2744, 0.2748

Deuteranomaly

45.2698, 0.2773, 0.2727

Tritanomaly

45.3751, 0.2841, 0.2964

Monochromacy



Original Color

45.3227, 0.2751, 0.2736

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.5274, 0.2985, 0.3082

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3227, 0.2751, 0.2736 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, 177, 221)` looks like.

```
.text, #text, p{  
    color:rgb(171, 177, 221)  
}
```

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, 177, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 177, 221) }
```

Border

The CSS property to change the border of an element to Yxy 45.3227, 0.2751, 0.2736 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, 177, 221) }
```

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

```
.border{ border-color:rgb(171, 177, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 177, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 177, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 177, 221);  
box-shadow:4px 4px 4px 4px rgb(171, 177,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3227, 0.2751, 0.2736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 177, 221) }
```

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

```
.background{ background-color: rgb(171,  
177, 221) }
```

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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