

Converting Colors

$Y_{xy}(44.3631, 0.2759, 0.2559)$

Have a look what the booklet for
Yxy(44.3631, 0.2759, 0.2559)
contains.

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Color

Yxy(44.2864, 0.2760, 0.2561)

Conversions

Conversions Part 1

Format	Color
Hex	B5AAE6
RGB	181, 170, 230
RGB Percent	71%, 67%, 90%
CMY	0.2899, 0.3334, 0.0979
CMYK	0.21, 0.26, 0.00, 0.10
HSL	251°, 55%, 78%
HSV	251°, 26%, 90%
XYZ	47.7276, 44.2864, 80.9122
YIQ	180.1290, -12.7040, 20.9920

Conversions

Conversions Part 2

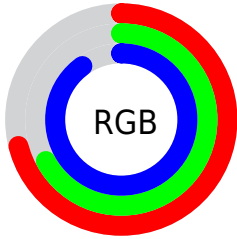
Format	Color
RYB	181, 170, 230
Decimal	11905766
CIELab	72.42, 16.30, -28.71
CIELCh	72, 33.011, 299.587
Yxy	44.2864, 0.2760, 0.2561
Android (android.graphics.Color)	4290095846 (0xFFB5AAE6)
YUV	180.1290, 24.5864, 0.7639
Hunter-Lab	66.5480, 11.5595, -25.5039

Details

The Yxy color $44.2864, 0.2760, 0.2561$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $74.5583, 0.3439, 0.3959$, and the grayscale version is $45.5908, 0.3127, 0.3290$.

A 20% lighter version of the original color is $79.2476, 0.3026, 0.2989$, and $20.5249, 0.2653, 0.2381$ is the 20% darker color. If you saturate the color by 10%, you get $34.2890, 0.2587, 0.2236$, and if you desaturate by 10%, it is $56.1013, 0.2916, 0.2863$.

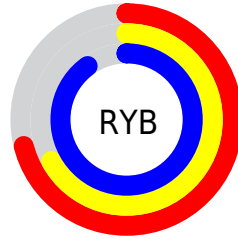
Distribution



Red (71%)

Green (67%)

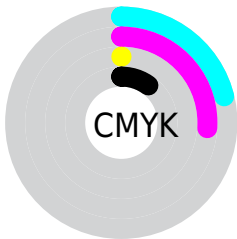
Blue (90%)



Red (71%)

Yellow (67%)

Blue (90%)

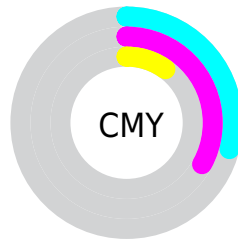


Cyan (21%)

Magenta (26%)

Yellow (0%)

Black (10%)



Cyan (29%)

Magenta (33%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.2864, 0.2760, 0.2561 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 44.2864, 0.2760, 0.2561 by changing the saturation by 10% instead.

■ 44.2864, 0.2760,
0.2561

■ 44.2864, 0.2760,
0.2561

363.8757, 0.2947,
0.2911

■ 30.8957, 0.2713,
0.2478

■ 81.6485, 0.2828,
0.2685

■ 20.5195, 0.2653,
0.2375

106.3888, 0.2854,
0.2732

■ 12.7732, 0.2574,
0.2243

135.6810, 0.2875,
0.2773

■ 7.2726, 0.2464,
0.2069

169.9096, 0.2894,
0.2808

■ 3.6331, 0.2304,
0.1829

209.4590, 0.2909,
0.2839

■ 1.4705, 0.2056,
0.1487

254.7135, 0.2923,

■ 0.2679, 0.1661,

0.2866

0.0682

306.0577, 0.2936,
0.2890

0.0000, 0.0000,
0.0000

44.2864, 0.2760,
0.2561

44.2864, 0.2760,
0.2561

34.2890, 0.2587,
0.2236

56.1013, 0.2916,
0.2863

26.0131, 0.2401,
0.1897

69.8126, 0.3053,
0.3137

19.3618, 0.2209,
0.1563

85.5012, 0.3171,
0.3382

14.2262, 0.2021,
0.1252

98.4945, 0.3274,
0.3532

10.4843, 0.1851,
0.0989

■ 7.9941, 0.1710,
0.0794

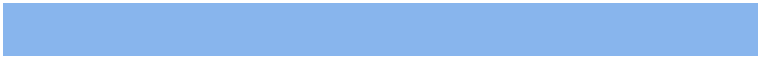
■ 6.5818, 0.1608,
0.0674

■ 6.2169, 0.1577,
0.0643

Harmonies

Analogous

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



44.2864, 0.2427, 0.2558



44.2864, 0.2760, 0.2561



44.2864, 0.3217, 0.2727

Triad

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



44.2864, 0.2760, 0.2561



44.2864, 0.4054, 0.3750



44.2864, 0.2579, 0.3561

Complementary

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



44.2864, 0.2760, 0.2561



74.5583, 0.3439, 0.3959

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.



44.2864, 0.2986, 0.3966



44.2864, 0.2760, 0.2561



44.2864, 0.3846, 0.4039

Square

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



44.2864, 0.2760, 0.2561



44.2864, 0.3996, 0.3381



44.2864, 0.3451, 0.4139



44.2864, 0.2328, 0.3098

Rectangle

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



44.2864, 0.2760, 0.2561



44.2864, 0.3535, 0.2910



44.2864, 0.3451, 0.4139



44.2864, 0.2701, 0.3713

Sweetspot

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



44.2882, 0.2760, 0.2561



84.6487, 0.3027, 0.3087



64.9294, 0.2734, 0.3158



17.5391, 0.3007, 0.3046



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.



44.2882, 0.2760, 0.2561



49.2690, 0.2674, 0.2398



48.3065, 0.3000, 0.2610



14.0145, 0.3009, 0.3049



3.5572, 0.1588, 0.0648



0.2998, 0.1717, 0.0719

Inverse Universe

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



50.6797, 0.3248, 0.2753



58.6062, 0.3277, 0.2647



70.3262, 0.3222, 0.4008



14.5672, 0.3166, 0.3100



11.5851, 0.3738, 0.1833



0.8680, 0.3647, 0.1783

Previews

White Background



This preview shows how the Yxy color 44.2864, 0.2760, 0.2561 looks on a white background.

Color Contrast Check

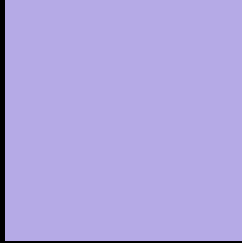
Large Text (above 18pt) WCAG AA × Fail

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 44.2864, 0.2760, 0.2561 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

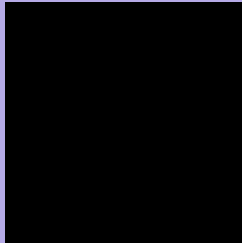
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.2864, 0.2760, 0.2561

Background



This preview shows how black text looks on a background with the Yxy color 44.2864, 0.2760, 0.2561.



This preview shows how white text looks on a background with the Yxy color 44.2864, 0.2760, 0.2561.

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

44.2864, 0.2760, 0.2561

Protanopia

44.2818, 0.2600, 0.2554

Deuteranopia

44.1447, 0.2666, 0.2602



Tritanopia

44.2045, 0.2991, 0.3105

Trichromacy



Original Color

44.2864, 0.2760, 0.2561

Protanomaly

44.2053, 0.2653, 0.2549

Deuteranomaly

44.3149, 0.2701, 0.2597

Tritanomaly

44.0270, 0.2909, 0.2892

Monochromacy



Original Color

44.2864, 0.2760, 0.2561

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

44.8312, 0.2987, 0.3007

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.2864, 0.2760, 0.2561 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(181, 170, 230)` looks like.

```
.text, #text, p{  
    color:rgb(181, 170, 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(181, 170, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 170, 230) }
```

Border

The CSS property to change the border of an element to Yxy 44.2864, 0.2760, 0.2561 is called "border". The border property can be set on classes, ids or directly on the HTML element.

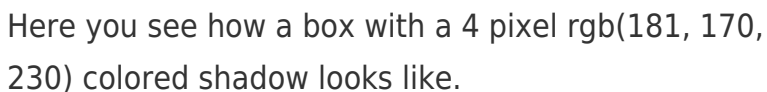
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(181, 170, 230) }
```

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

```
.border{ border-color:rgb(181, 170, 230) }
```

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



Here you see how a box with a 4 pixel `rgb(181, 170, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 170, 230); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 170, 230); box-shadow:4px 4px 4px 4px rgb(181, 170, 230) }
```


Background

The CSS property to change the background color of an element to Yxy 44.2864, 0.2760, 0.2561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 170, 230) }
```

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

```
.background{ background-color: rgb(181,  
170, 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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