

Converting Colors

$Y_{xy}(49.2722, 0.2665, 0.2608)$

Have a look what the booklet for
Yxy(49.2722, 0.2665, 0.2608)
contains.

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Color

Yxy(49.2722, 0.2665, 0.2608)

Conversions

Conversions Part 1

Format	Color
Hex	AFB7F0
RGB	175, 183, 240
RGB Percent	69%, 72%, 94%
CMY	0.3136, 0.2824, 0.0588
CMYK	0.27, 0.24, 0.00, 0.06
HSL	233°, 68%, 81%
HSV	233°, 27%, 94%
XYZ	50.3491, 49.2722, 89.3059
YIQ	187.1060, -23.0650, 16.0310

Conversions

Conversions Part 2

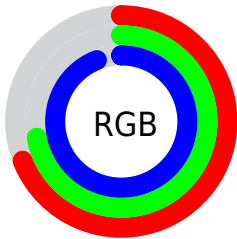
Format	Color
R _Y B	175, 182, 240
Decimal	11515888
CIE Lab	75.62, 9.65, -29.25
CIE LCh	76, 30.798, 288.259
Yxy	49.2722, 0.2665, 0.2608
Android (android.graphics.Color)	4289705968 (0xFFAFB7F0)
YUV	187.1060, 26.0767, -10.6170
Hunter-Lab	70.1942, 5.1953, -26.2969

Details

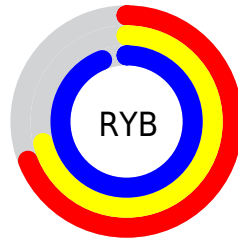
The Yxy color $49.2722, 0.2665, 0.2608$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $79.3756, 0.3557, 0.3891$, and the grayscale version is $49.6215, 0.3127, 0.3290$.

A 20% lighter version of the original color is $86.1088, 0.2987, 0.3129$, and $23.4909, 0.2538, 0.2432$ is the 20% darker color. If you saturate the color by 10%, you get $38.6897, 0.2467, 0.2305$, and if you desaturate by 10%, it is $61.6527, 0.2850, 0.2885$.

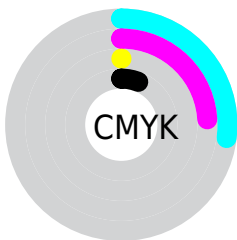
Distribution



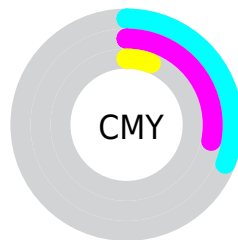
- Red (69%)
- Green (72%)
- Blue (94%)



- Red (69%)
- Yellow (71%)
- Blue (94%)



- Cyan (27%)
- Magenta (24%)
- Yellow (0%)
- Black (6%)



- Cyan (31%)
- Magenta (28%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.2722, 0.2665, 0.2608 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 49.2722, 0.2665, 0.2608 by changing the saturation by 10% instead.

■ 49.2722, 0.2665,
0.2608

■ 49.2722, 0.2665,
0.2608

■ 383.8129, 0.2892,
0.2933

■ 34.8355, 0.2610,
0.2532

■ 89.0956, 0.2746,
0.2722

■ 23.5362, 0.2541,
0.2437

■ 115.2510, 0.2777,
0.2766

■ 14.9899, 0.2451,
0.2317

■ 146.0815, 0.2804,
0.2804

■ 8.8123, 0.2330,
0.2158

■ 181.9714, 0.2826,
0.2837

■ 4.6190, 0.2160,
0.1942

■ 223.3051, 0.2846,
0.2865

■ 2.0255, 0.1908,
0.1635

■ 270.4670, 0.2863,

■ 0.6222, 0.1516,

0.2891

0.1140

323.8414, 0.2879,
0.2913

0.0000, 0.0000,
0.0000

49.2722, 0.2665,
0.2608

49.2722, 0.2665,
0.2608

38.6897, 0.2467,
0.2305

61.6527, 0.2850,
0.2885

29.8157, 0.2263,
0.1985

75.9034, 0.3019,
0.3133

22.5616, 0.2062,
0.1660

92.1000, 0.3170,
0.3351

16.8285, 0.1876,
0.1350

99.0722, 0.3214,
0.3434

12.5065, 0.1720,
0.1075

■ 9.4707, 0.1605,
0.0857

■ 7.5712, 0.1535,
0.0707

■ 7.1887, 0.1521,
0.0676

Harmonies

Analogous

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



49.2722, 0.2419, 0.2670



49.2722, 0.2665, 0.2608



49.2722, 0.3047, 0.2705

Triad

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



49.2722, 0.2665, 0.2608



49.2722, 0.3971, 0.3590



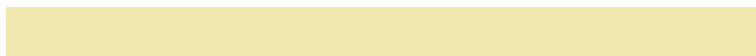
49.2722, 0.2760, 0.3686

Complementary

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



49.2722, 0.2665, 0.2608



79.3756, 0.3557, 0.3891

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.



49.2722, 0.3162, 0.3982



49.2722, 0.2665, 0.2608



49.2722, 0.3872, 0.3886

Square

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



49.2722, 0.2665, 0.2608



49.2722, 0.3825, 0.3248



49.2722, 0.3571, 0.4046



49.2722, 0.2470, 0.3273

Rectangle

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



49.2722, 0.2665, 0.2608



49.2722, 0.3336, 0.2845



49.2722, 0.3571, 0.4046



49.2722, 0.2886, 0.3805

Sweetspot

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



49.2742, 0.2665, 0.2608



85.4379, 0.3003, 0.3110



77.2374, 0.2778, 0.3388



17.7356, 0.2979, 0.3075



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.



49.2742, 0.2665, 0.2608



50.1748, 0.2567, 0.2458



49.0924, 0.2832, 0.2547



15.5402, 0.2980, 0.3076



4.0355, 0.1525, 0.0691



0.4355, 0.1574, 0.0867

Inverse Universe

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



52.6229, 0.3642, 0.3204



54.7356, 0.3776, 0.3187



80.0541, 0.3367, 0.4006



15.7903, 0.3274, 0.3261



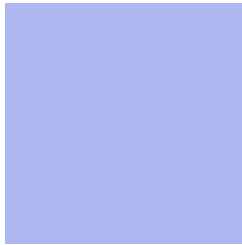
10.2007, 0.6247, 0.3215



0.8587, 0.5963, 0.3059

Previews

White Background



This preview shows how the Yxy color 49.2722, 0.2665, 0.2608 looks on a white background.

Color Contrast Check

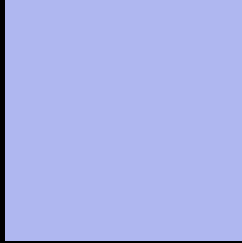
Large Text (above 18pt) WCAG AA × Fail

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 49.2722, 0.2665, 0.2608 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

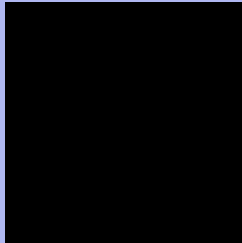
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.2722, 0.2665, 0.2608

Background



This preview shows how black text looks on a background with the Yxy color 49.2722, 0.2665, 0.2608.



This preview shows how white text looks on a background with the Yxy color 49.2722, 0.2665, 0.2608.

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

49.2722, 0.2665, 0.2608

Protanopia

49.2898, 0.2633, 0.2605

Deuteranopia

49.3883, 0.2672, 0.2610



Tritanopia

49.1278, 0.2847, 0.3083

Trichromacy



Original Color

49.2722, 0.2665, 0.2608

Protanomaly

49.4025, 0.2639, 0.2606

Deuteranomaly

49.3883, 0.2672, 0.2610

Tritanomaly

49.2605, 0.2780, 0.2901

Monochromacy



Original Color

49.2722, 0.2665, 0.2608

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.6413, 0.2953, 0.3040

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.2722, 0.2665, 0.2608 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(175, 183, 240)` looks like.

```
.text, #text, p{  
    color:rgb(175, 183, 240)  
}
```

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(175, 183, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 183, 240) }
```

Border

The CSS property to change the border of an element to Yxy 49.2722, 0.2665, 0.2608 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(175, 183, 240) }
```

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

```
.border{ border-color:rgb(175, 183, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 183, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 183, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 183, 240);  
box-shadow:4px 4px 4px 4px rgb(175, 183,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 49.2722, 0.2665, 0.2608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 183, 240) }
```

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

```
.background{ background-color: rgb(175,  
183, 240) }
```

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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