

Converting Colors

$Yxy(49.0548, 0.2618, 0.2584)$

Have a look what the booklet for
Yxy(49.0548, 0.2618, 0.2584)
contains.

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Color

Yxy(49.2378, 0.2620, 0.2593)

Conversions

Conversions Part 1

Format	Color
Hex	AAB8F2
RGB	170, 184, 242
RGB Percent	67%, 72%, 95%
CMY	0.3332, 0.2784, 0.0509
CMYK	0.30, 0.24, 0.00, 0.05
HSL	228°, 73%, 81%
HSV	228°, 30%, 95%
XYZ	49.7505, 49.2378, 90.8991
YIQ	186.4260, -26.9620, 15.0700

Conversions

Conversions Part 2

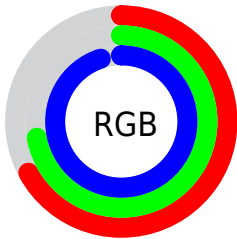
Format	Color
RYB	170, 182, 242
Decimal	11188466
CIELab	75.60, 8.13, -30.39
CIELCh	76, 31.460, 284.979
Yxy	49.2378, 0.2620, 0.2593
Android (android.graphics.Color)	4289378546 (0xFFAAB8F2)
YUV	186.4260, 27.3980, -14.4056
Hunter-Lab	70.1697, 3.7602, -27.6866

Details

The Yxy color **49.2378, 0.2620, 0.2593** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **77.2963, 0.3616, 0.3901**, and the grayscale version is **49.2121, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8711, 0.2956, 0.3138**, and **23.4908, 0.2483, 0.2412** is the 20% darker color. If you saturate the color by 10%, you get **39.2333, 0.2426, 0.2310**, and if you desaturate by 10%, it is **60.8599, 0.2804, 0.2853**.

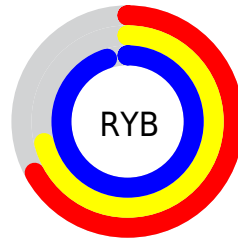
Distribution



Red (67%)

Green (72%)

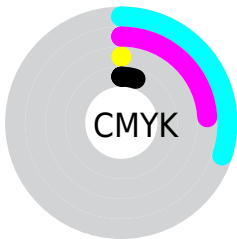
Blue (95%)



Red (67%)

Yellow (71%)

Blue (95%)

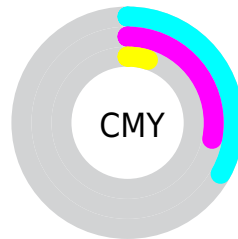


Cyan (30%)

Magenta (24%)

Yellow (0%)

Black (5%)



Cyan (33%)

Magenta (28%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.2378, 0.2620, 0.2593 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 49.2378, 0.2620, 0.2593 by changing the saturation by 10% instead.

■ 49.2378, 0.2620,
0.2593

■ 49.2378, 0.2620,
0.2593

383.6777, 0.2868,
0.2926

■ 34.8082, 0.2560,
0.2515

■ 89.0445, 0.2709,
0.2710

■ 23.5151, 0.2485,
0.2418

115.1904, 0.2742,
0.2755

■ 14.9743, 0.2388,
0.2295

146.0105, 0.2771,
0.2794

■ 8.8014, 0.2258,
0.2133

181.8892, 0.2796,
0.2827

■ 4.6119, 0.2077,
0.1913

223.2108, 0.2818,
0.2856

■ 2.0214, 0.1810,
0.1601

270.3599, 0.2837,

■ 0.6198, 0.1402,

0.2882

0.1103

323.7207, 0.2853,
0.2905

0.0000, 0.0000,
0.0000

49.2378, 0.2620,
0.2593

49.2378, 0.2620,
0.2593

39.2333, 0.2426,
0.2310

60.8599, 0.2804,
0.2853

30.7680, 0.2230,
0.2010

74.1620, 0.2975,
0.3088

23.7653, 0.2039,
0.1706

89.2099, 0.3131,
0.3295

18.1396, 0.1866,
0.1413

99.1919, 0.3203,
0.3415

13.7959, 0.1721,
0.1149

■ 10.6262, 0.1615,
0.0931

■ 8.4857, 0.1548,
0.0769

■ 8.4421, 0.1546,
0.0766

Harmonies

Analogous

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



49.2378, 0.2388, 0.2675



49.2378, 0.2620, 0.2593



49.2378, 0.2998, 0.2676

Triad

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



49.2378, 0.2620, 0.2593



49.2378, 0.3986, 0.3557



49.2378, 0.2793, 0.3737

Complementary

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



49.2378, 0.2620, 0.2593



77.2963, 0.3616, 0.3901

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.



49.2378, 0.3209, 0.4017



49.2378, 0.2620, 0.2593



49.2378, 0.3911, 0.3870

Square

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



49.2378, 0.2620, 0.2593



49.2378, 0.3810, 0.3209



49.2378, 0.3620, 0.4054



49.2378, 0.2481, 0.3319

Rectangle

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



49.2378, 0.2620, 0.2593



49.2378, 0.3291, 0.2809



49.2378, 0.3620, 0.4054



49.2378, 0.2925, 0.3853

Sweetspot

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



49.2397, 0.2620, 0.2593



84.6655, 0.2987, 0.3104



77.6438, 0.2771, 0.3455



17.6238, 0.2963, 0.3071



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.



49.2397, 0.2620, 0.2593



48.0812, 0.2498, 0.2415



46.3279, 0.2760, 0.2456



15.7252, 0.2980, 0.3094



4.6833, 0.1552, 0.0788



0.5232, 0.1615, 0.1012

Inverse Universe

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



51.0996, 0.3664, 0.3138



50.8622, 0.3828, 0.3105



81.6992, 0.3423, 0.4074



15.8090, 0.3263, 0.3244



10.2661, 0.6089, 0.3128



0.8675, 0.5740, 0.2936

Previews

White Background



This preview shows how the Yxy color 49.2378, 0.2620, 0.2593 looks on a white background.

Color Contrast Check

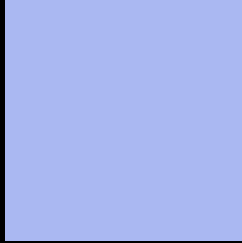
Large Text (above 18pt) WCAG AA × Fail

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 49.2378, 0.2620, 0.2593 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

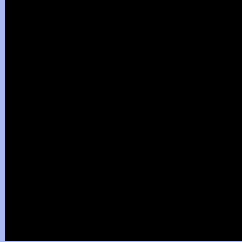
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.2378, 0.2620, 0.2593

Background



This preview shows how black text looks on a background with the Yxy color 49.2378, 0.2620, 0.2593.



This preview shows how white text looks on a background with the Yxy color 49.2378, 0.2620, 0.2593.

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

49.2378, 0.2620, 0.2593

Protanopia

49.3497, 0.2627, 0.2595

Deuteranopia

49.2764, 0.2646, 0.2586



Tritanopia

49.3992, 0.2798, 0.3094

Trichromacy



Original Color

49.2378, 0.2620, 0.2593

Protanomaly

49.3497, 0.2627, 0.2595

Deuteranomaly

49.1620, 0.2639, 0.2585

Tritanomaly

49.0802, 0.2732, 0.2897

Monochromacy



Original Color

49.2378, 0.2620, 0.2593

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.8575, 0.2930, 0.3025

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.2378, 0.2620, 0.2593 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, 184, 242)` looks like.

```
.text, #text, p{  
    color:rgb(170, 184, 242)  
}
```

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, 184, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 184, 242) }
```

Border

The CSS property to change the border of an element to Yxy 49.2378, 0.2620, 0.2593 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, 184, 242) }
```

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

```
.border{ border-color:rgb(170, 184, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 184, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 184, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 184, 242);  
box-shadow:4px 4px 4px 4px rgb(170, 184,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 49.2378, 0.2620, 0.2593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 184, 242) }
```

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

```
.background{ background-color: rgb(170,  
184, 242) }
```

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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