

Converting Colors

$Yxy(44.9993, 0.2603, 0.2548)$

Have a look what the booklet for
Yxy(44.9993, 0.2603, 0.2548)
contains.

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Color

Yxy(44.9993, 0.2603, 0.2548)

Conversions

Conversions Part 1

Format	Color
Hex	A4B0EC
RGB	164, 176, 236
RGB Percent	64%, 69%, 93%
CMY	0.3570, 0.3098, 0.0744
CMYK	0.31, 0.25, 0.00, 0.07
HSL	230°, 66%, 78%
HSV	230°, 31%, 93%
XYZ	45.9706, 44.9993, 85.6364
YIQ	179.2520, -26.4120, 16.1160

Conversions

Conversions Part 2

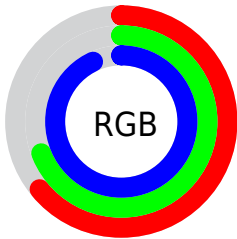
Format	Color
RYB	164, 174, 236
Decimal	10793196
CIELab	72.89, 9.33, -31.35
CIELCh	73, 32.710, 286.568
Yxy	44.9993, 0.2603, 0.2548
Android (android.graphics.Color)	4288983276 (0xFFA4B0EC)
YUV	179.2520, 27.9768, -13.3760
Hunter-Lab	67.0815, 4.9325, -28.7327

Details

The Yxy color **44.9993, 0.2603, 0.2548** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **73.8078, 0.3623, 0.3936**, and the grayscale version is **45.0768, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.5875, 0.2910, 0.3041**, and **21.0256, 0.2458, 0.2363** is the 20% darker color. If you saturate the color by 10%, you get **35.5616, 0.2407, 0.2254**, and if you desaturate by 10%, it is **56.0222, 0.2790, 0.2819**.

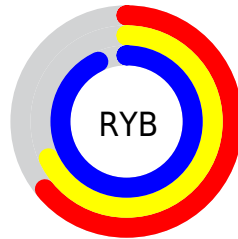
Distribution



Red (64%)

Green (69%)

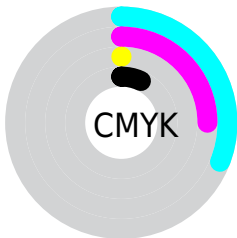
Blue (93%)



Red (64%)

Yellow (68%)

Blue (93%)

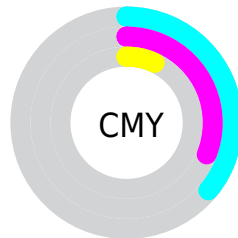


Cyan (31%)

Magenta (25%)

Yellow (0%)

Black (7%)



Cyan (36%)

Magenta (31%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.9993, 0.2603, 0.2548 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 44.9993, 0.2603, 0.2548 by changing the saturation by 10% instead.

■ 44.9993, 0.2603,
0.2548

■ 44.9993, 0.2603,
0.2548

■ 366.7707, 0.2864,
0.2906

■ 31.4569, 0.2539,
0.2463

■ 82.7194, 0.2697,
0.2675

■ 20.9470, 0.2459,
0.2358

■ 107.6658, 0.2732,
0.2723

■ 13.0853, 0.2354,
0.2222

■ 137.1823, 0.2762,
0.2765

■ 7.4873, 0.2212,
0.2043

■ 171.6534, 0.2788,
0.2801

■ 3.7687, 0.2011,
0.1799

■ 211.4634, 0.2811,
0.2832

■ 1.5450, 0.1713,
0.1451

■ 256.9967, 0.2831,

■ 0.3201, 0.1207,

0.2860

0.0726

308.6376, 0.2848,
0.2884

0.0000, 0.0000,
0.0000

44.9993, 0.2603,
0.2548

44.9993, 0.2603,
0.2548

35.5616, 0.2407,
0.2254

56.0222, 0.2790,
0.2819

27.6302, 0.2207,
0.1945

68.6937, 0.2962,
0.3063

21.1275, 0.2015,
0.1635

83.0802, 0.3119,
0.3279

15.9663, 0.1841,
0.1339

98.5991, 0.3238,
0.3470

12.0499, 0.1698,
0.1079

98.8375, 0.3238,
0.3473

■ 9.2676, 0.1596,
0.0870

■ 7.5410, 0.1536,
0.0729

Harmonies

Analogous

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



44.9993, 0.2348, 0.2623



44.9993, 0.2603, 0.2548



44.9993, 0.3011, 0.2645

Triad

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



44.9993, 0.2603, 0.2548



44.9993, 0.4050, 0.3591



44.9993, 0.2747, 0.3749

Complementary

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



44.9993, 0.2603, 0.2548



73.8078, 0.3623, 0.3936

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.



44.9993, 0.3188, 0.4064



44.9993, 0.2603, 0.2548



44.9993, 0.3954, 0.3922

Square

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



44.9993, 0.2603, 0.2548



44.9993, 0.3875, 0.3220



44.9993, 0.3632, 0.4114



44.9993, 0.2424, 0.3294

Rectangle

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



44.9993, 0.2603, 0.2548



44.9993, 0.3327, 0.2792



44.9993, 0.3632, 0.4114



44.9993, 0.2886, 0.3878

Sweetspot

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



45.0011, 0.2603, 0.2548



84.3117, 0.2987, 0.3097



73.2094, 0.2757, 0.3445



17.5374, 0.2963, 0.3064



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.



45.0011, 0.2603, 0.2548



45.9829, 0.2474, 0.2356



43.1289, 0.2758, 0.2435



14.9561, 0.2980, 0.3088



4.2817, 0.1541, 0.0749



0.4566, 0.1604, 0.0973

Inverse Universe

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



47.5067, 0.3701, 0.3156



49.7795, 0.3881, 0.3126



76.8591, 0.3422, 0.4097



15.0952, 0.3267, 0.3251



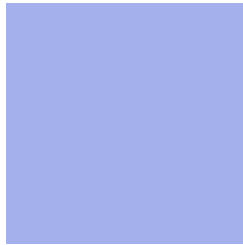
9.9250, 0.6153, 0.3163



0.7915, 0.5799, 0.2968

Previews

White Background



This preview shows how the Yxy color 44.9993, 0.2603, 0.2548 looks on a white background.

Color Contrast Check

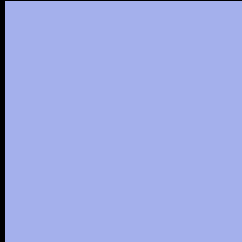
Large Text (above 18pt) WCAG AA × Fail

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 44.9993, 0.2603, 0.2548 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

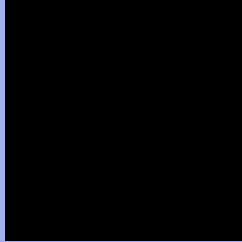
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.9993, 0.2603, 0.2548

Background



This preview shows how black text looks on a background with the Yxy color 44.9993, 0.2603, 0.2548.



This preview shows how white text looks on a background with the Yxy color 44.9993, 0.2603, 0.2548.

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

44.9993, 0.2603, 0.2548

Protanopia

44.7882, 0.2590, 0.2545

Deuteranopia

45.1061, 0.2610, 0.2550



Tritanopia

45.0121, 0.2801, 0.3087

Trichromacy



Original Color

44.9993, 0.2603, 0.2548

Protanomaly

44.8933, 0.2597, 0.2547

Deuteranomaly

45.1061, 0.2610, 0.2550

Tritanomaly

44.7669, 0.2725, 0.2870

Monochromacy



Original Color

44.9993, 0.2603, 0.2548

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.0096, 0.2923, 0.3004

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.9993, 0.2603, 0.2548 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(164, 176, 236)` looks like.

```
.text, #text, p{  
    color:rgb(164, 176, 236)  
}
```

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(164, 176, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 176, 236) }
```

Border

The CSS property to change the border of an element to Yxy 44.9993, 0.2603, 0.2548 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(164, 176, 236) }
```

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

```
.border{ border-color:rgb(164, 176, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 176, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 176, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 176, 236);  
box-shadow:4px 4px 4px 4px rgb(164, 176,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 44.9993, 0.2603, 0.2548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 176, 236) }
```

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

```
.background{ background-color: rgb(164,  
176, 236) }
```

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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