

Converting Colors

$Yxy(46.9863, 0.2653, 0.2826)$

Have a look what the booklet for
Yxy(46.9863, 0.2653, 0.2826)
contains.

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Color

Yxy(46.9863, 0.2653, 0.2826)

Conversions

Conversions Part 1

Format	Color
Hex	9CB9DD
RGB	156, 185, 221
RGB Percent	61%, 73%, 87%
CMY	0.3883, 0.2745, 0.1332
CMYK	0.29, 0.16, 0.00, 0.13
HSL	213°, 49%, 74%
HSV	213°, 29%, 87%
XYZ	44.1099, 46.9863, 75.1681
YIQ	180.4330, -28.8400, 5.0480

Conversions

Conversions Part 2

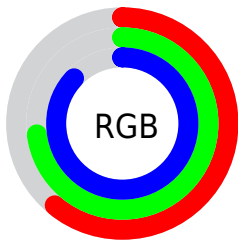
Format	Color
RYB	156, 176, 221
Decimal	10271197
CIELab	74.18, -1.60, -21.28
CIELCh	74, 21.337, 265.700
Yxy	46.9863, 0.2653, 0.2826
Android (android.graphics.Color)	4288461277 (0xFF9CB9DD)
YUV	180.4330, 19.9995, -21.4277
Hunter-Lab	68.5466, -5.0911, -17.0348

Details

The Yxy color **46.9863, 0.2653, 0.2826** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **55.4758, 0.3659, 0.3713**, and the grayscale version is **45.7883, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1276, 0.2865, 0.3144**, and **22.1393, 0.2524, 0.2696** is the 20% darker color. If you saturate the color by 10%, you get **40.0776, 0.2484, 0.2636**, and if you desaturate by 10%, it is **54.7408, 0.2820, 0.3000**.

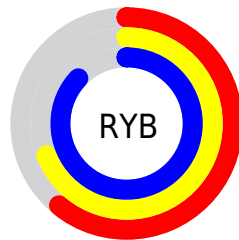
Distribution



Red (61%)

Green (73%)

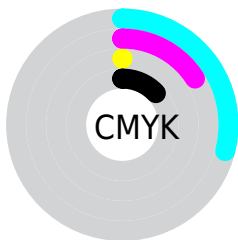
Blue (87%)



Red (61%)

Yellow (69%)

Blue (87%)

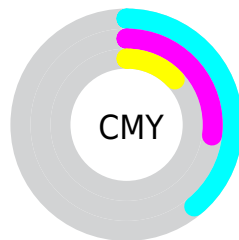


Cyan (29%)

Magenta (16%)

Yellow (0%)

Black (13%)



Cyan (39%)

Magenta (27%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.9863, 0.2653, 0.2826 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 46.9863, 0.2653, 0.2826 by changing the saturation by 10% instead.

■ 46.9863, 0.2653,
0.2826

■ 46.9863, 0.2653,
0.2826

374.7598, 0.2886,
0.3055

■ 33.0248, 0.2596,
0.2770

■ 85.6932, 0.2737,
0.2909

■ 22.1455, 0.2524,
0.2699

■ 111.2074, 0.2768,
0.2940

■ 13.9638, 0.2431,
0.2605

141.3412, 0.2795,
0.2966

■ 8.0955, 0.2303,
0.2478

176.4792, 0.2819,
0.2989

■ 4.1561, 0.2122,
0.2296

217.0057, 0.2839,
0.3009

■ 1.7613, 0.1846,
0.2016

263.3050, 0.2857,

■ 0.4629, 0.1229,

0.3026

0.1418

315.7616, 0.2872,
0.3042

■ 0.0000, 0.0000,
0.0000

■ 46.9863, 0.2653,
0.2826

■ 46.9863, 0.2653,
0.2826

■ 40.0776, 0.2484,
0.2636

■ 54.7408, 0.2820,
0.3000

■ 33.9762, 0.2318,
0.2433

■ 63.3664, 0.2982,
0.3157

■ 28.6488, 0.2161,
0.2221

■ 72.8939, 0.3136,
0.3298

■ 24.0567, 0.2017,
0.2004

■ 83.3509, 0.3281,
0.3422

■ 20.1571, 0.1894,
0.1789

■ 92.5182, 0.3339,
0.3538

■ 16.9012, 0.1795,
0.1583

■ 98.0018, 0.3327,
0.3621

■ 14.2156, 0.1722,
0.1393

■ 14.0749, 0.1718,
0.1383

Harmonies

Analogous

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



46.9863, 0.2568, 0.2969



46.9863, 0.2653, 0.2826



46.9863, 0.2861, 0.2805

Triad

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



46.9863, 0.2653, 0.2826



46.9863, 0.3657, 0.3328



46.9863, 0.3083, 0.3728

Complementary

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



46.9863, 0.2653, 0.2826



55.4758, 0.3659, 0.3713

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.



46.9863, 0.3379, 0.3821



46.9863, 0.2653, 0.2826



46.9863, 0.3719, 0.3571

Square

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



46.9863, 0.2653, 0.2826



46.9863, 0.3444, 0.3088



46.9863, 0.3614, 0.3756



46.9863, 0.2809, 0.3499

Rectangle

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



46.9863, 0.2653, 0.2826



46.9863, 0.3049, 0.2857



46.9863, 0.3614, 0.3756



46.9863, 0.3183, 0.3777

Sweetspot

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



46.9882, 0.2653, 0.2826



88.0617, 0.2987, 0.3162



62.5874, 0.2871, 0.3663



18.4565, 0.2964, 0.3140



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.



46.9882, 0.2653, 0.2826



59.2384, 0.2554, 0.2717



36.3874, 0.2636, 0.2441



13.5690, 0.2982, 0.3157



8.3930, 0.1725, 0.1411



0.7139, 0.1813, 0.1726

Inverse Universe

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



42.6499, 0.3490, 0.2950



52.8772, 0.3589, 0.2879



68.9966, 0.3545, 0.4029



13.1476, 0.3222, 0.3186



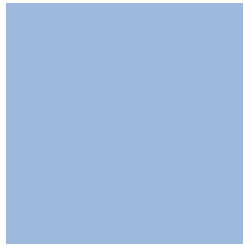
9.4710, 0.5176, 0.2625



0.6308, 0.4775, 0.2404

Previews

White Background



This preview shows how the Yxy color 46.9863, 0.2653, 0.2826 looks on a white background.

Color Contrast Check

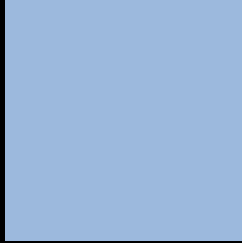
Large Text (above 18pt) WCAG AA × Fail

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 46.9863, 0.2653, 0.2826 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

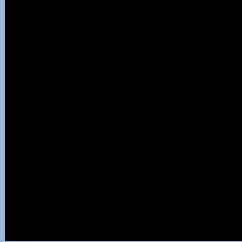
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

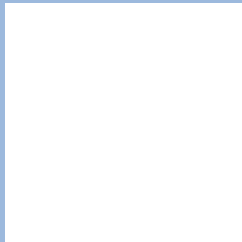
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.9863, 0.2653, 0.2826

Background



This preview shows how black text looks on a background with the Yxy color 46.9863, 0.2653, 0.2826.



This preview shows how white text looks on a background with the Yxy color 46.9863, 0.2653, 0.2826.

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

46.9863, 0.2653, 0.2826

Protanopia

46.7031, 0.2797, 0.2813

Deuteranopia

46.6984, 0.2806, 0.2747



Tritanopia

46.9536, 0.2744, 0.3088

Trichromacy



Original Color

46.9863, 0.2653, 0.2826

Protanomaly

46.7859, 0.2740, 0.2820

Deuteranomaly

46.9796, 0.2748, 0.2776

Tritanomaly

46.9661, 0.2704, 0.2986

Monochromacy



Original Color

46.9863, 0.2653, 0.2826

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

46.0540, 0.2937, 0.3119

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9863, 0.2653, 0.2826 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(156, 185, 221)` looks like.

```
.text, #text, p{  
    color:rgb(156, 185, 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(156, 185, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 185, 221) }
```

Border

The CSS property to change the border of an element to Yxy 46.9863, 0.2653, 0.2826 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(156, 185, 221) }
```

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

```
.border{ border-color:rgb(156, 185, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 185, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 185, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 185, 221);  
box-shadow:4px 4px 4px 4px rgb(156, 185,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9863, 0.2653, 0.2826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 185, 221) }
```

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

```
.background{ background-color: rgb(156,  
185, 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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