

Converting Colors

$Y_{xy}(52.4705, 0.2615, 0.2511)$

Have a look what the booklet for
Yxy(52.4705, 0.2615, 0.2511)
contains.

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Color

Yxy(52.4639, 0.2615, 0.2511)

Conversions

Conversions Part 1

Format	Color
Hex	B4BBFF
RGB	180, 187, 255
RGB Percent	71%, 73%, 100%
CMY	0.2942, 0.2666, 0.0001
CMYK	0.29, 0.27, 0.00, 0.00
HSL	234°, 100%, 85%
HSV	234°, 29%, 100%
XYZ	54.6368, 52.4639, 101.8355
YIQ	192.6590, -26.0000, 19.6640

Conversions

Conversions Part 2

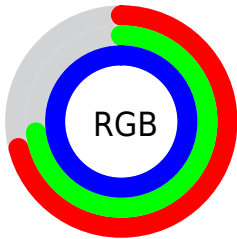
Format	Color
R _Y B	180, 186, 255
Decimal	11844607
CIE Lab	77.56, 12.47, -34.28
CIE LCh	78, 36.481, 289.992
Yxy	52.4639, 0.2615, 0.2511
Android (android.graphics.Color)	4290034687 (0xFFB4BBFF)
YUV	192.6590, 30.7341, -11.1019
Hunter-Lab	72.4320, 7.8901, -32.6562

Details

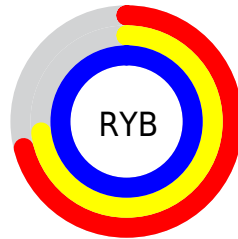
The Yxy color **52.4639, 0.2615, 0.2511** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **91.6566, 0.3591, 0.3965**, and the grayscale version is **52.9455, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3257, 0.3018, 0.3171**, and **25.4874, 0.2480, 0.2326** is the 20% darker color. If you saturate the color by 10%, you get **40.6528, 0.2412, 0.2192**, and if you desaturate by 10%, it is **66.4197, 0.2806, 0.2805**.

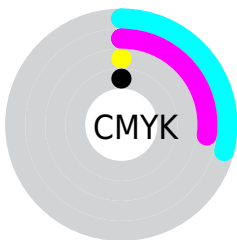
Distribution



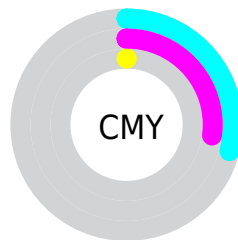
- Red (71%)
- Green (73%)
- Blue (100%)



- Red (71%)
- Yellow (73%)
- Blue (100%)



- Cyan (29%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (29%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.4639, 0.2615, 0.2511 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 52.4639, 0.2615, 0.2511 by changing the saturation by 10% instead.

■ 52.4639, 0.2615,
0.2511

■ 52.4639, 0.2615,
0.2511

■ 396.2249, 0.2864,
0.2875

■ 37.3750, 0.2556,
0.2428

■ 93.8150, 0.2703,
0.2637

■ 25.4980, 0.2482,
0.2326

■ 120.8460, 0.2737,
0.2686

■ 16.4484, 0.2387,
0.2198

■ 152.6265, 0.2766,
0.2729

■ 9.8420, 0.2262,
0.2032

■ 189.5409, 0.2791,
0.2766

■ 5.2943, 0.2089,
0.1813

■ 231.9735, 0.2812,
0.2798

■ 2.4210, 0.1841,
0.1512

■ 280.3088, 0.2832,

■ 0.8367, 0.1467,

0.2826

0.1089

334.9311, 0.2849,
0.2852

0.0000, 0.0179,
0.0000

0.0000, 0.0000,
0.0000

52.4639, 0.2615,
0.2511

52.4639, 0.2615,
0.2511

40.6528, 0.2412,
0.2192

66.4197, 0.2806,
0.2805

30.8739, 0.2203,
0.1859

82.6128, 0.2980,
0.3070

23.0141, 0.2001,
0.1528

99.9986, 0.3127,
0.3290

16.9462, 0.1820,
0.1222

■ 12.5279, 0.1673,
0.0963

■ 9.5948, 0.1571,
0.0770

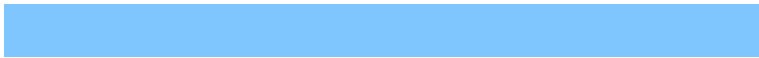
■ 7.9342, 0.1516,
0.0653

■ 7.8672, 0.1514,
0.0648

Harmonies

Analogous

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



52.4639, 0.2326, 0.2566



52.4639, 0.2615, 0.2511



52.4639, 0.3059, 0.2633

Triad

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



52.4639, 0.2615, 0.2511



52.4639, 0.4108, 0.3648



52.4639, 0.2677, 0.3726

Complementary

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



52.4639, 0.2615, 0.2511



91.6566, 0.3591, 0.3965

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.



52.4639, 0.3133, 0.4089



52.4639, 0.2615, 0.2511



52.4639, 0.3972, 0.3988

Square

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



52.4639, 0.2615, 0.2511



52.4639, 0.3955, 0.3258



52.4639, 0.3609, 0.4172



52.4639, 0.2357, 0.3237

Rectangle

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



52.4639, 0.2615, 0.2511



52.4639, 0.3395, 0.2797



52.4639, 0.3609, 0.4172



52.4639, 0.2819, 0.3871

Sweetspot

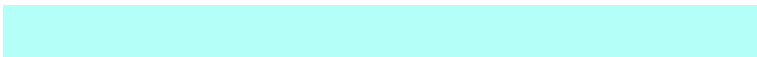
The Sweet Spot groups the original color and five complimentary colors.



52.4660, 0.2615, 0.2511



83.3438, 0.2987, 0.3080



87.9530, 0.2737, 0.3370



17.3011, 0.2963, 0.3044



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.



52.4660, 0.2615, 0.2511



45.6151, 0.2502, 0.2335



53.5548, 0.2819, 0.2477



17.6513, 0.2979, 0.3067



4.2025, 0.1517, 0.0661



0.4970, 0.1551, 0.0784

Inverse Universe

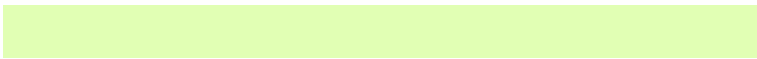
The Inverse Universe completely reimagines the original color for something new.



57.4813, 0.3724, 0.3218



51.5020, 0.3887, 0.3204



90.8056, 0.3371, 0.4080



18.0147, 0.3280, 0.3268



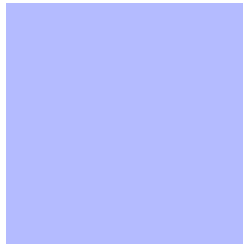
11.1522, 0.6298, 0.3243



1.0947, 0.6095, 0.3131

Previews

White Background



This preview shows how the Yxy color 52.4639, 0.2615, 0.2511 looks on a white background.

Color Contrast Check

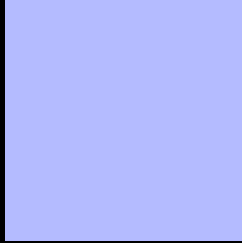
Large Text (above 18pt) WCAG AA × Fail

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 52.4639, 0.2615, 0.2511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

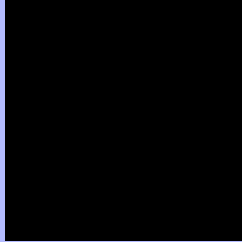
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.4639, 0.2615, 0.2511

Background



This preview shows how black text looks on a background with the Yxy color 52.4639, 0.2615, 0.2511.

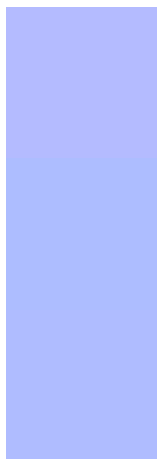


This preview shows how white text looks on a background with the Yxy color 52.4639, 0.2615, 0.2511.

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

52.4639, 0.2615, 0.2511

Protanopia

52.4994, 0.2572, 0.2525

Deuteranopia

52.3004, 0.2584, 0.2516



Tritanopia

52.3913, 0.2833, 0.3088

Trichromacy



Original Color

52.4639, 0.2615, 0.2511

Protanomaly

52.4165, 0.2590, 0.2517

Deuteranomaly

52.5336, 0.2597, 0.2518

Tritanomaly

52.2440, 0.2749, 0.2862

Monochromacy



Original Color

52.4639, 0.2615, 0.2511

Achromatopsia

53.3276, 0.3127, 0.3290

Achromatomaly

52.9108, 0.2922, 0.2987

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.4639, 0.2615, 0.2511 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(180, 187, 255)` looks like.

```
.text, #text, p{  
    color:rgb(180, 187, 255)  
}
```

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(180, 187, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 187, 255) }
```

Border

The CSS property to change the border of an element to Yxy 52.4639, 0.2615, 0.2511 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(180, 187, 255) }
```

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

```
.border{ border-color:rgb(180, 187, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 187, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 187, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 187, 255);  
box-shadow:4px 4px 4px 4px rgb(180, 187,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 52.4639, 0.2615, 0.2511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 187, 255) }
```

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

```
.background{ background-color: rgb(180,  
187, 255) }
```

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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