

Converting Colors

$Y_{xy}(52.2599, 0.2559, 0.2522)$

Have a look what the booklet for
Yxy(52.2599, 0.2559, 0.2522)
contains.

Yxy(52.2731, 0.2560, 0.2523)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(52.2731, 0.2560, 0.2523)

Conversions

Conversions Part 1

Format	Color
Hex	ABBDFE
RGB	171, 189, 255
RGB Percent	67%, 74%, 100%
CMY	0.3294, 0.2588, 0.0001
CMYK	0.33, 0.26, 0.00, 0.00
HSL	227°, 100%, 84%
HSV	227°, 33%, 100%
XYZ	53.0397, 52.2731, 101.8735
YIQ	191.1420, -31.9140, 16.7100

Conversions

Conversions Part 2

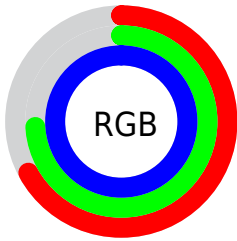
Format	Color
RYB	171, 186, 255
Decimal	11255295
CIELab	77.44, 8.87, -34.50
CIELCh	77, 35.625, 284.419
Yxy	52.2731, 0.2560, 0.2523
Android (android.graphics.Color)	4289445375 (0xFFABBDFF)
YUV	191.1420, 31.4820, -17.6645
Hunter-Lab	72.3001, 4.4231, -32.9316

Details

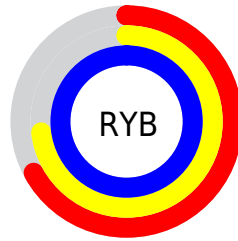
The Yxy color **52.2731, 0.2560, 0.2523** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **84.7498, 0.3679, 0.3954**, and the grayscale version is **52.0168, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0188, 0.2962, 0.3189**, and **25.3985, 0.2414, 0.2340** is the 20% darker color. If you saturate the color by 10%, you get **41.6506, 0.2366, 0.2240**, and if you desaturate by 10%, it is **64.6423, 0.2747, 0.2785**.

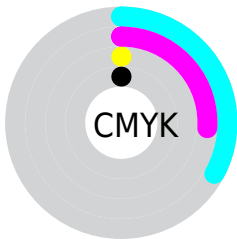
Distribution



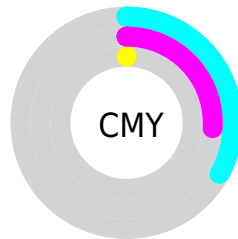
- Red (67%)
- Green (74%)
- Blue (100%)



- Red (67%)
- Yellow (73%)
- Blue (100%)



- Cyan (33%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)





- Cyan (33%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.2731, 0.2560, 0.2523 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 52.2731, 0.2560, 0.2523 by changing the saturation by 10% instead.

 52.2731, 0.2560,
0.2523

 52.2731, 0.2560,
0.2523

395.4900, 0.2834,
0.2883

 37.2228, 0.2495,
0.2440


 93.5339, 0.2657,
0.2648

 25.3800, 0.2415,
0.2339

120.5132, 0.2694,
0.2697

 16.3604, 0.2312,
0.2210


152.2375, 0.2726,
0.2739

 9.7796, 0.2176,
0.2044

189.0914, 0.2753,
0.2775

 5.2530, 0.1991,
0.1823

231.4592, 0.2777,
0.2807

 2.3965, 0.1727,
0.1519

279.7253, 0.2798,


 0.8241, 0.1336,


0.2836


0.1090


334.2741, 0.2817,
0.2861


 0.0000, 0.0000,
0.0000

 52.2731, 0.2560,
0.2523


 52.2731, 0.2560,
0.2523


 41.6506, 0.2366,
0.2240

 64.6423, 0.2747,
0.2785


 32.6883, 0.2172,
0.1944


 78.8271, 0.2922,
0.3022

 25.3014, 0.1988,
0.1646

 94.9001, 0.3083,
0.3233

 19.3945, 0.1824,
0.1363

 99.9979, 0.3127,
0.3290

 14.8613, 0.1692,
0.1111

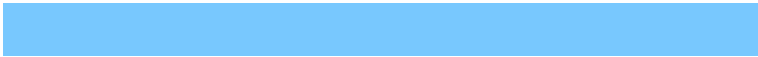
■ 11.5795, 0.1598,
0.0907

■ 9.9160, 0.1554,
0.0795

Harmonies

Analogous

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



52.2731, 0.2310, 0.2613



52.2731, 0.2560, 0.2523



52.2731, 0.2973, 0.2612

Triad

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



52.2731, 0.2560, 0.2523



52.2731, 0.4080, 0.3572



52.2731, 0.2763, 0.3797

Complementary

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



52.2731, 0.2560, 0.2523



84.7498, 0.3679, 0.3954

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.



52.2731, 0.3223, 0.4107



52.2731, 0.2560, 0.2523



52.2731, 0.3998, 0.3921

Square

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



52.2731, 0.2560, 0.2523



52.2731, 0.3880, 0.3190



52.2731, 0.3678, 0.4137



52.2731, 0.2418, 0.3327

Rectangle

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



52.2731, 0.2560, 0.2523



52.2731, 0.3298, 0.2756



52.2731, 0.3678, 0.4137



52.2731, 0.2909, 0.3927

Sweetspot

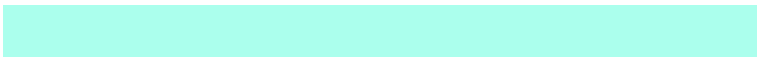
The Sweet Spot groups the original color and five complimentary colors.



52.2751, 0.2560, 0.2523



83.3567, 0.2971, 0.3087



86.2603, 0.2744, 0.3491



17.3742, 0.2947, 0.3056



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.



52.2751, 0.2560, 0.2523



44.5969, 0.2423, 0.2325



47.9252, 0.2700, 0.2350



18.0085, 0.2979, 0.3097



5.3573, 0.1561, 0.0818



0.6724, 0.1615, 0.1014

Inverse Universe

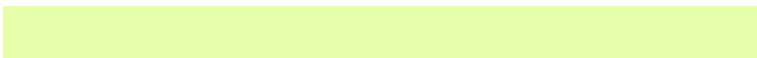
The Inverse Universe completely reimagines the original color for something new.



54.0598, 0.3730, 0.3103



47.1320, 0.3922, 0.3063



91.4591, 0.3464, 0.4162



18.0508, 0.3260, 0.3239



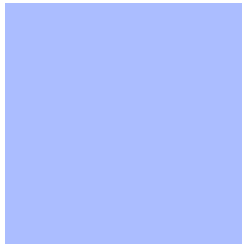
11.2688, 0.6041, 0.3102



1.1124, 0.5737, 0.2934

Previews

White Background



This preview shows how the Yxy color 52.2731, 0.2560, 0.2523 looks on a white background.

Color Contrast Check

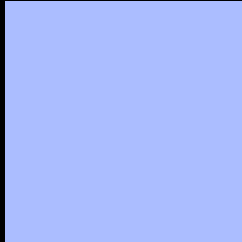
Large Text (above 18pt) WCAG AA × Fail

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 52.2731, 0.2560, 0.2523 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

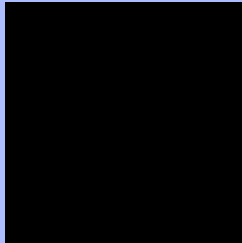
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.2731, 0.2560, 0.2523

Background



This preview shows how black text looks on a background with the Yxy color 52.2731, 0.2560, 0.2523.



This preview shows how white text looks on a background with the Yxy color 52.2731, 0.2560, 0.2523.

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

52.2731, 0.2560, 0.2523

Protanopia

52.4994, 0.2572, 0.2525

Deuteranopia

52.1851, 0.2577, 0.2515



Tritanopia

52.4180, 0.2759, 0.3085

Trichromacy



Original Color

52.2731, 0.2560, 0.2523

Protanomaly

52.3858, 0.2566, 0.2524

Deuteranomaly

52.0707, 0.2571, 0.2513

Tritanomaly

52.1843, 0.2684, 0.2869

Monochromacy



Original Color

52.2731, 0.2560, 0.2523

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

51.8723, 0.2906, 0.2995

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.2731, 0.2560, 0.2523 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(171, 189, 255)` looks like.

```
.text, #text, p{  
    color:rgb(171, 189, 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(171, 189, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 189, 255) }
```

Border

The CSS property to change the border of an element to Yxy 52.2731, 0.2560, 0.2523 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(171, 189, 255) }
```

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

```
.border{ border-color:rgb(171, 189, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 189, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 189, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 189, 255);  
box-shadow:4px 4px 4px 4px rgb(171, 189,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 52.2731, 0.2560, 0.2523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 189, 255) }
```

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

```
.background{ background-color: rgb(171,  
189, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor