

Converting Colors

$Y_{xy}(29.3724, 0.2503, 0.2152)$

Have a look what the booklet for
Yxy(29.3724, 0.2503, 0.2152)
contains.

Yxy(29.3683, 0.2503, 0.2151)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.3683, 0.2503, 0.2151)

Conversions

Conversions Part 1

Format	Color
Hex	9389DE
RGB	147, 137, 222
RGB Percent	58%, 54%, 87%
CMY	0.4233, 0.4628, 0.1293
CMYK	0.34, 0.38, 0.00, 0.13
HSL	247°, 56%, 70%
HSV	247°, 38%, 87%
XYZ	34.1743, 29.3683, 72.9907
YIQ	149.6800, -21.3250, 28.5550

Conversions

Conversions Part 2

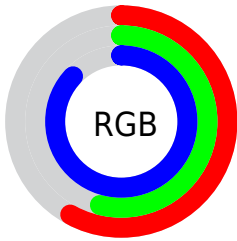
Format	Color
RYB	147, 137, 222
Decimal	9669086
CIELab	61.11, 23.19, -42.10
CIELCh	61, 48.063, 298.850
Yxy	29.3683, 0.2503, 0.2151
Android (android.graphics.Color)	4287859166 (0xFF9389DE)
YUV	149.6800, 35.6538, -2.3504
Hunter-Lab	54.1925, 17.7267, -41.9216

Details

The Yxy color **29.3683, 0.2503, 0.2151** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **68.0474, 0.3621, 0.4264**, and the grayscale version is **30.2138, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.7434, 0.2775, 0.2577**, and **11.8967, 0.2303, 0.1850** is the 20% darker color. If you saturate the color by 10%, you get **22.0359, 0.2304, 0.1805**, and if you desaturate by 10%, it is **38.3092, 0.2691, 0.2486**.

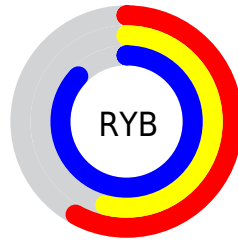
Distribution



Red (58%)

Green (54%)

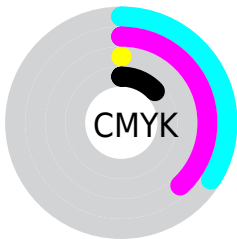
Blue (87%)



Red (58%)

Yellow (54%)

Blue (87%)

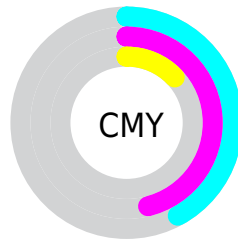


Cyan (34%)

Magenta (38%)

Yellow (0%)

Black (13%)



Cyan (42%)


Magenta (46%)

Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.3683, 0.2503, 0.2151 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 29.3683, 0.2503, 0.2151 by changing the saturation by 10% instead.


 29.3683, 0.2503,
0.2151


 29.3683, 0.2503,
0.2151


298.9488, 0.2837,
0.2714


 19.3596, 0.2415,
0.2016


 58.6617, 0.2628,
0.2352

 11.9304, 0.2300,
0.1847


 78.7153, 0.2674,
0.2429

 6.6963, 0.2146,
0.1632


 102.8859, 0.2713,
0.2494

 3.2729, 0.1931,
0.1353

131.5579, 0.2745,
0.2550

 1.2758, 0.1618,
0.0989

165.1159, 0.2773,
0.2599

 0.1224, 0.1177,
0.0211

203.9440, 0.2797,

 0.0000, 0.0000,

0.2642

0.0000

248.4269, 0.2818,
0.2680

■ 29.3683, 0.2503,
0.2151

■ 29.3683, 0.2503,
0.2151

■ 22.0359, 0.2304,
0.1805

■ 38.3092, 0.2691,
0.2486

■ 16.2130, 0.2104,
0.1467

■ 48.9431, 0.2863,
0.2797

■ 11.7945, 0.1915,
0.1161

■ 61.3527, 0.3015,
0.3080

■ 8.6607, 0.1752,
0.0909

■ 75.6141, 0.3148,
0.3330

■ 6.6711, 0.1628,
0.0732

■ 91.7990, 0.3263,
0.3550

■ 5.6278, 0.1548,
0.0633

■ 98.0552, 0.3321,
0.3611

■ 5.4994, 0.1538,
0.0621

Harmonies

Analogous

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



29.3683, 0.2009, 0.2132



29.3683, 0.2503, 0.2151



29.3683, 0.3235, 0.2398

Triad

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



29.3683, 0.2503, 0.2151



29.3683, 0.4648, 0.3939



29.3683, 0.2236, 0.3759

Complementary

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



29.3683, 0.2503, 0.2151



68.0474, 0.3621, 0.4264

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.



29.3683, 0.2875, 0.4495



29.3683, 0.2503, 0.2151



29.3683, 0.4276, 0.4460

Square

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



29.3683, 0.2503, 0.2151



29.3683, 0.4574, 0.3365



29.3683, 0.3622, 0.4734



29.3683, 0.1864, 0.2944

Rectangle

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



29.3683, 0.2503, 0.2151



29.3683, 0.3775, 0.2668



29.3683, 0.3622, 0.4734



29.3683, 0.2425, 0.4038

Sweetspot

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



29.3694, 0.2503, 0.2151



78.9999, 0.2975, 0.3004



57.7293, 0.2578, 0.3162



16.4014, 0.2954, 0.2966



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.



29.3694, 0.2503, 0.2151



31.9497, 0.2343, 0.1873



34.0329, 0.2869, 0.2259



13.3208, 0.2999, 0.3049



3.2907, 0.1545, 0.0625



0.2542, 0.1648, 0.0681

Inverse Universe

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



38.1681, 0.3265, 0.2446



45.7067, 0.3301, 0.2280



62.5596, 0.3297, 0.4377



13.9062, 0.3156, 0.3086



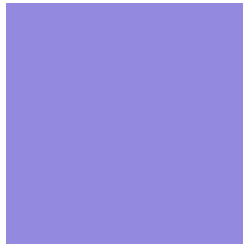
11.5932, 0.3532, 0.1719



0.8116, 0.3475, 0.1688

Previews

White Background



This preview shows how the Yxy color 29.3683, 0.2503, 0.2151 looks on a white background.

Color Contrast Check

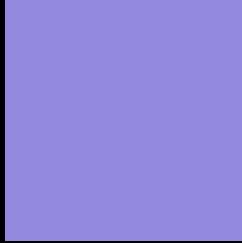
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.3683, 0.2503, 0.2151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

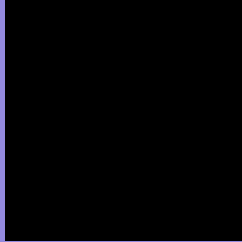
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.3683, 0.2503, 0.2151

Background



This preview shows how black text looks on a background with the Yxy color 29.3683, 0.2503, 0.2151.



This preview shows how white text looks on a background with the Yxy color 29.3683, 0.2503, 0.2151.

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

29.3683, 0.2503, 0.2151

Protanopia

29.6898, 0.2266, 0.2128

Deuteranopia

29.6796, 0.2306, 0.2250



Tritanopia

29.4897, 0.2864, 0.3098

Trichromacy



Original Color

29.3683, 0.2503, 0.2151

Protanomaly

29.4262, 0.2347, 0.2138

Deuteranomaly

29.3774, 0.2371, 0.2202

Tritanomaly

29.2005, 0.2723, 0.2702

Monochromacy



Original Color

29.3683, 0.2503, 0.2151

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

29.7749, 0.2881, 0.2826

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3683, 0.2503, 0.2151 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(147, 137, 222)` looks like.

```
.text, #text, p{  
    color:rgb(147, 137, 222)  
}
```

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(147, 137, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 137, 222) }
```

Border

The CSS property to change the border of an element to Yxy 29.3683, 0.2503, 0.2151 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(147, 137, 222) }
```

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

```
.border{ border-color:rgb(147, 137, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 137, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 137, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 137, 222);  
box-shadow:4px 4px 4px 4px rgb(147, 137,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 29.3683, 0.2503, 0.2151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 137, 222) }
```

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

```
.background{ background-color: rgb(147,  
137, 222) }
```

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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