

Converting Colors

$Y_{xy}(21.8285, 0.2544, 0.1928)$

Have a look what the booklet for
Yxy(21.8285, 0.2544, 0.1928)
contains.

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Color

Yxy(21.8169, 0.2550, 0.1931)

Conversions

Conversions Part 1

Format	Color
Hex	926ED0
RGB	146, 110, 208
RGB Percent	57%, 43%, 82%
CMY	0.4275, 0.5686, 0.1844
CMYK	0.30, 0.47, 0.00, 0.18
HSL	262°, 51%, 62%
HSV	262°, 47%, 82%
XYZ	28.8105, 21.8169, 62.3550
YIQ	131.9360, -10.0020, 38.1100

Conversions

Conversions Part 2

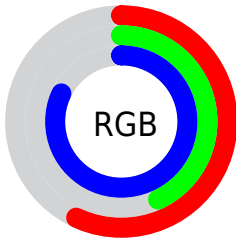
Format	Color
R_{YB}	146, 110, 208
Decimal	9596624
CIE _{Lab}	53.83, 34.87, -45.69
CIE _{LCh}	54, 57.474, 307.354
Yxy	21.8169, 0.2550, 0.1931
Android (android.graphics.Color)	4287786704 (0xFF926ED0)
YUV	131.9360, 37.4996, 12.3341
Hunter-Lab	46.7086, 28.3614, -46.4549

Details

The Yxy color **21.8169, 0.2550, 0.1931** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **55.0014, 0.3517, 0.4564**, and the grayscale version is **22.9157, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.6172, 0.2747, 0.2265**, and **7.9127, 0.2330, 0.1558** is the 20% darker color. If you saturate the color by 10%, you get **16.7060, 0.2392, 0.1623**, and if you desaturate by 10%, it is **28.1215, 0.2699, 0.2246**.

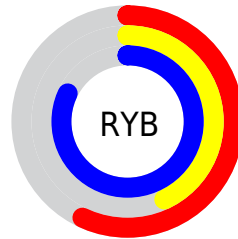
Distribution



Red (57%)

Green (43%)

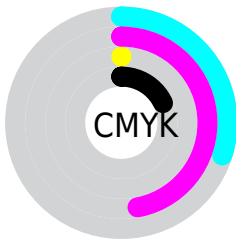
Blue (82%)



Red (57%)

Yellow (43%)

Blue (82%)

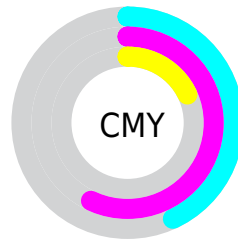


Cyan (30%)

Magenta (47%)

Yellow (0%)

Black (18%)



Cyan (43%)


Magenta (57%)


Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.8169, 0.2550, 0.1931 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 21.8169, 0.2550, 0.1931 by changing the saturation by 10% instead.


 21.8169, 0.2550,
0.1931


 21.8169, 0.2550,
0.1931


261.5886, 0.2880,
0.2613


 13.7224, 0.2456,
0.1766


 46.4432, 0.2679,
0.2176


 7.9279, 0.2330,
0.1561


 63.7438, 0.2725,
0.2269

 4.0488, 0.2154,
0.1302


 84.8819, 0.2762,
0.2348

 1.7009, 0.1899,
0.0973

 110.2419, 0.2794,
0.2416

 0.4242, 0.1526,
0.0488

140.2081, 0.2820,
0.2475

 0.0000, 0.0570,
0.0000

175.1651, 0.2843,

 0.0000, 0.0000,

0.2527

0.0000

215.4971, 0.2863,
0.2572

■ 21.8169, 0.2550,
0.1931

■ 21.8169, 0.2550,
0.1931

■ 16.7060, 0.2392,
0.1623

■ 28.1215, 0.2699,
0.2246

■ 12.7069, 0.2232,
0.1339

■ 35.6893, 0.2835,
0.2553

■ 9.7307, 0.2077,
0.1097

■ 44.5874, 0.2956,
0.2845

■ 7.6734, 0.1936,
0.0911

■ 54.8771, 0.3061,
0.3114

■ 6.3968, 0.1817,
0.0787

■ 66.6162, 0.3152,
0.3358

6.1043, 0.1786,
0.0758

79.8588, 0.3229,
0.3578

94.2711, 0.3295,
0.3767

96.6349, 0.3381,
0.3754

97.3332, 0.3406,
0.3751

Harmonies

Analogous

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



21.8169, 0.1856, 0.1817



21.8169, 0.2550, 0.1931



21.8169, 0.3553, 0.2297

Triad

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



21.8169, 0.2550, 0.1931



21.8169, 0.4969, 0.4226



21.8169, 0.1804, 0.3562

Complementary

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



21.8169, 0.2550, 0.1931



55.0014, 0.3517, 0.4564

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.



21.8169, 0.2502, 0.4709



21.8169, 0.2550, 0.1931



21.8169, 0.4323, 0.4898

Square

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



21.8169, 0.2550, 0.1931



21.8169, 0.5109, 0.3518



21.8169, 0.3427, 0.5216



21.8169, 0.1481, 0.2554

Rectangle

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



21.8169, 0.2550, 0.1931



21.8169, 0.4260, 0.2655



21.8169, 0.3427, 0.5216



21.8169, 0.1997, 0.3965

Sweetspot

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



21.8177, 0.2550, 0.1931



75.2636, 0.2989, 0.2926



37.3974, 0.2411, 0.2767



15.3802, 0.2964, 0.2866



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.



21.8177, 0.2550, 0.1931



26.0843, 0.2383, 0.1606



27.2998, 0.3044, 0.2106



11.6260, 0.3038, 0.3054



3.8556, 0.1800, 0.0765



0.2601, 0.2010, 0.0881

Inverse Universe

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



27.5417, 0.3585, 0.2530



36.5836, 0.3735, 0.2381



50.4457, 0.3143, 0.4727



11.9323, 0.3193, 0.3144



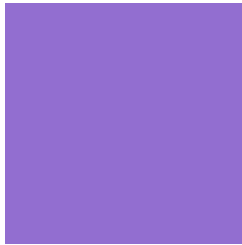
9.4091, 0.4397, 0.2196



0.5411, 0.4123, 0.2045

Previews

White Background



This preview shows how the Yxy color 21.8169, 0.2550, 0.1931 looks on a white background.

Color Contrast Check

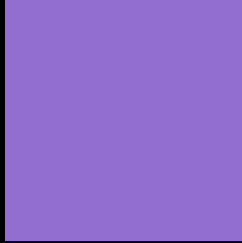
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8169, 0.2550, 0.1931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

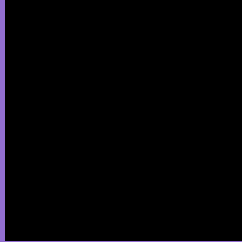
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8169, 0.2550, 0.1931

Background



This preview shows how black text looks on a background with the Yxy color 21.8169, 0.2550, 0.1931.



This preview shows how white text looks on a background with the Yxy color 21.8169, 0.2550, 0.1931.

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

21.8169, 0.2550, 0.1931

Protanopia

22.1741, 0.2062, 0.1867

Deuteranopia

22.0864, 0.2161, 0.2104



Tritanopia

21.8904, 0.3077, 0.3115

Trichromacy



Original Color

21.8169, 0.2550, 0.1931

Protanomaly

21.6308, 0.2201, 0.1872

Deuteranomaly

21.5150, 0.2273, 0.2024

Tritanomaly

21.6375, 0.2864, 0.2608

Monochromacy



Original Color

21.8169, 0.2550, 0.1931

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

22.2717, 0.2895, 0.2702

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8169, 0.2550, 0.1931 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(146, 110, 208)` looks like.

```
.text, #text, p{  
    color:rgb(146, 110, 208)  
}
```

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(146, 110, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 110, 208) }
```

Border

The CSS property to change the border of an element to Yxy 21.8169, 0.2550, 0.1931 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(146, 110, 208) }
```

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

```
.border{ border-color:rgb(146, 110, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 110, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 110, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 110, 208);  
box-shadow:4px 4px 4px 4px rgb(146, 110,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8169, 0.2550, 0.1931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 110, 208) }
```

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

```
.background{ background-color: rgb(146,  
110, 208) }
```

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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