

Converting Colors

$Y_{xy}(21.9295, 0.2328, 0.1717)$

Have a look what the booklet for
Yxy(21.9295, 0.2328, 0.1717)
contains.

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Color

Yxy(21.9875, 0.2327, 0.1721)

Conversions

Conversions Part 1

Format	Color
Hex	886EE4
RGB	136, 110, 228
RGB Percent	53%, 43%, 89%
CMY	0.4666, 0.5686, 0.1061
CMYK	0.40, 0.52, 0.00, 0.11
HSL	253°, 69%, 66%
HSV	253°, 52%, 89%
XYZ	29.7298, 21.9875, 76.0428
YIQ	131.2260, -22.3820, 42.2100

Conversions

Conversions Part 2

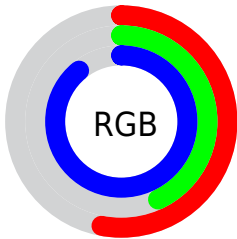
Format	Color
RYB	136, 110, 228
Decimal	8941284
CIELab	54.01, 37.62, -56.73
CIELCh	54, 68.073, 303.552
Yxy	21.9875, 0.2327, 0.1721
Android (android.graphics.Color)	4287131364 (0xFF886EE4)
YUV	131.2260, 47.7096, 4.1868
Hunter-Lab	46.8908, 31.1137, -63.3269

Details

The Yxy color **21.9875, 0.2327, 0.1721** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **69.1365, 0.3678, 0.4633**, and the grayscale version is **22.6160, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.3981, 0.2678, 0.2245**, and **7.9783, 0.2048, 0.1324** is the 20% darker color. If you saturate the color by 10%, you get **16.3189, 0.2141, 0.1401**, and if you desaturate by 10%, it is **29.1693, 0.2511, 0.2055**.

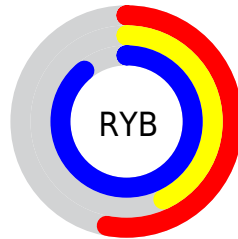
Distribution



Red (53%)

Green (43%)

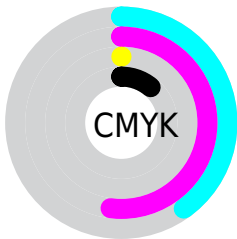
Blue (89%)



Red (53%)

Yellow (43%)

Blue (89%)

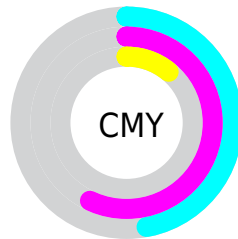


Cyan (40%)

Magenta (52%)

Yellow (0%)

Black (11%)



Cyan (47%)


Magenta (57%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.9875, 0.2327, 0.1721 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 21.9875, 0.2327, 0.1721 by changing the saturation by 10% instead.


 21.9875, 0.2327,
0.1721


 21.9875, 0.2327,
0.1721


262.4810, 0.2771,
0.2486


 13.8477, 0.2208,
0.1546


 46.7253, 0.2496,
0.1989


 8.0148, 0.2053,
0.1333

 64.0922, 0.2557,
0.2093

 4.1044, 0.1846,
0.1074


 85.3035, 0.2608,
0.2182

 1.7322, 0.1564,
0.0765

 110.7437, 0.2651,
0.2260

 0.4443, 0.1183,
0.0363

140.7971, 0.2688,
0.2327

 0.0000, 0.0497,
0.0000

175.8482, 0.2719,

 0.0000, 0.0000,

0.2386

0.0000

216.2814, 0.2747,
0.2439

■ 21.9875, 0.2327,
0.1721

■ 21.9875, 0.2327,
0.1721

■ 16.3189, 0.2141,
0.1401

■ 29.1693, 0.2511,
0.2055

■ 12.0499, 0.1963,
0.1118

■ 37.9617, 0.2685,
0.2385

■ 9.0542, 0.1807,
0.0892

■ 48.4569, 0.2844,
0.2699


■ 7.1808, 0.1683,
0.0737

■ 60.7391, 0.2985,
0.2987

■ 6.2841, 0.1607,
0.0659

■ 74.8871, 0.3108,
0.3248

 90.9747, 0.3213,
0.3479

 98.3789, 0.3286,
0.3552

Harmonies

Analogous

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



21.9875, 0.1612, 0.1627



21.9875, 0.2327, 0.1721



21.9875, 0.3451, 0.2091

Triad

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



21.9875, 0.2327, 0.1721



21.9875, 0.5280, 0.4169



21.9875, 0.1669, 0.3775

Complementary

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



21.9875, 0.2327, 0.1721



69.1365, 0.3678, 0.4633

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.



21.9875, 0.2490, 0.5154



21.9875, 0.2327, 0.1721



21.9875, 0.4551, 0.4995

Square

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



21.9875, 0.2327, 0.1721



21.9875, 0.5404, 0.3391



21.9875, 0.3542, 0.5557



21.9875, 0.1283, 0.2521

Rectangle

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



21.9875, 0.2327, 0.1721



21.9875, 0.4302, 0.2468



21.9875, 0.3542, 0.5557



21.9875, 0.1898, 0.4276

Sweetspot

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



21.9883, 0.2327, 0.1721



71.1339, 0.2926, 0.2865



51.3433, 0.2392, 0.2950



14.5277, 0.2896, 0.2805



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.



21.9883, 0.2327, 0.1721



20.6378, 0.2129, 0.1382



28.2928, 0.2857, 0.1926



14.0396, 0.3014, 0.3049



3.6730, 0.1618, 0.0665



0.3119, 0.1758, 0.0742

Inverse Universe

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



31.9015, 0.3454, 0.2286



34.9652, 0.3545, 0.2121



62.4658, 0.3251, 0.4842



14.5579, 0.3171, 0.3109



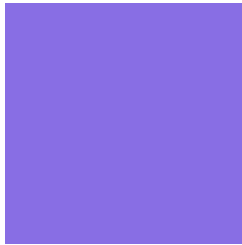
11.3922, 0.3858, 0.1899



0.8553, 0.3744, 0.1836

Previews

White Background



This preview shows how the Yxy color 21.9875, 0.2327, 0.1721 looks on a white background.

Color Contrast Check

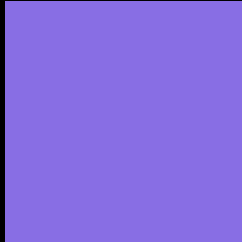
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9875, 0.2327, 0.1721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

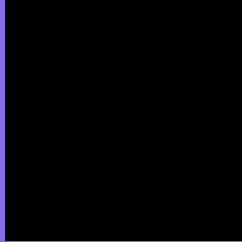
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.9875, 0.2327, 0.1721

Background



This preview shows how black text looks on a background with the Yxy color 21.9875, 0.2327, 0.1721.



This preview shows how white text looks on a background with the Yxy color 21.9875, 0.2327, 0.1721.

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

21.9875, 0.2327, 0.1721

Protanopia

22.2621, 0.1893, 0.1641

Deuteranopia

22.3446, 0.1942, 0.1890



Tritanopia

21.8986, 0.2851, 0.3091

Trichromacy



Original Color

21.9875, 0.2327, 0.1721

Protanomaly

21.8301, 0.2005, 0.1654

Deuteranomaly

21.4870, 0.2029, 0.1792

Tritanomaly

21.3940, 0.2631, 0.2469

Monochromacy



Original Color

21.9875, 0.2327, 0.1721

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

21.9056, 0.2794, 0.2589

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9875, 0.2327, 0.1721 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(136, 110, 228)` looks like.

```
.text, #text, p{  
    color:rgb(136, 110, 228)  
}
```

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(136, 110, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 110, 228) }
```

Border

The CSS property to change the border of an element to Yxy 21.9875, 0.2327, 0.1721 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(136, 110, 228) }
```

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

```
.border{ border-color:rgb(136, 110, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 110, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(136, 110, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(136, 110, 228); box-shadow:4px 4px 4px 4px rgb(136, 110, 228) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9875, 0.2327, 0.1721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 110, 228) }
```

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

```
.background{ background-color: rgb(136,  
110, 228) }
```

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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